DUNGS®
Combustion Controls

Program

2027



Heizung Brenner
Heating Burners

Heizung Boiler
Heating Boilers

Prozesswärme
Process Heat

Gasmotoren
Gas Engines

DUNGS®
Globaler Service
Global Services

Valid 1st January – 31st December 2027

CE Gas Appliance Regulation	EC type test approval as per EC Gas Appliance Regulation (GAR).
CE Pressure Equipment Directive	EC type test approval as per EC Pressure Equipment Directive (PED).
U_L U_R CSA FM	Appliances authorized for use in USA/CDN on request. For further information, visit our homepage: https://www.dungs.com/en-gb
UK CA UK Conformity Assessed	Type-examination according "Gas Appliances (Enforcement) and Miscellaneous Amendment Regulations", UKSI 2018:389 (as amended by UKSI 2019:696), and "The Pressure Equipment Safety Regulations", UKSI 2016:1105 (as amended by UKSI 2019: 969).
[V]	Standard-voltage: ~(AC) 230 V 50 Hz, other voltages on request..
DUNGS® H_2 ready	Hydrogen as fuel gas - We are “H2 ready”! Check out the suitable DUNGS devices for hydrogen applications here.

www.dungs.com	You can find data sheets as well as operation and assembly instructions in the internet at: https://www.dungs.com/en-gb/controls/general/current-product-portfolio
DUNGS® Global Services	Safety technology requires responsibility, from design to maintenance. DUNGS offers a holistic concept for every phase of the life cycle of your gas system. https://www.dungs.com/en-gb/services/global-services/general
Combustion Academy	Training meets future! Choose your webinar (only GB) or technical seminar (only DE) from our training programme: https://www.dungs.com/en-gb/services/academy/general
Preisliste gültig **nur** für Deutschland & Österreich. **Pricelist** valid **only** for: Germany & Austria.	
Allg. Geschäftsbedingungen www.dungs.com **Terms & Conditions www.dungs.com**	

Änderungen, die dem technischen Fortschritt dienen, vorbehalten.

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Automatic Burner Controls and Flame Monitoring

Overview Automatic Burner Controls

Type	Application	degree of protection	Housing	Operation	Extension	Page
MPA 4112	modulating [1]	IP54 [2]	Plastic	on the unit	EM 2/4, EM 2/6, EM 2/8, EM 2/9	6
MPA 4112 PF	High-temperature and cyclic operation	IP54	Plastic	on the unit		6
MPA 4114	modulating [1]	IP54 [2]	Plastic	AM 41 remote control unit	EM 2/4, EM 2/6, EM 2/8, EM 2/9	7
MPA 4114 PF	High-temperature and cyclic operation	IP54	Plastic	AM 41 remote control unit		7
MPA 4122	modulating [1]	IP65	Metal	on the unit	EM 2/4, EM 2/6, EM 2/8, EM 2/9	8
MPA 4122 PF	High-temperature and cyclic operation	IP65	Metal	on the unit	EM 2/8	8

[1] For use with EM 2/6 or EM 2/8

[2] Degree of protection IP40 when used with EM 2/8 or EM 2/9

Type Code MPA

Type	
MPA 41	Automatic Burner Control
12	Plastic housing for top-hat rail mounting, IP54 [1]
14	Plastic housing for top-hat rail mounting, IP54 [1], with remote control unit AM 41
22	Metal housing for screw mounting, IP65
PF	For high-temperature applications and cyclic operation
Mains voltage	
230 VAC	230 VAC
115 VAC	115 VAC
Extension	
EM 2/4	Shutter control, Profibus/Modbus communication
EM 2/6	Shutter control, control for flow control valve or PWM fan, Profibus/Modbus communication
EM 2/8	Shutter control, control for flow control valve or PWM fan, Profinet communication
EM 2/9	Shutter control, Profinet communication

DUNGS®
Combustion Controls

MPA 4112 V2.0
Automatic burner controls in plastic housing

dungs.com → MPA 4112



Automatic Burner Controls for forced draught or industrial single and multi-burner applications in the low or high temperature range. For burners ignited directly or with pilot flame in intermittent or continuous operation.

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, SIL, RoHS, REACH II, China RoHS-II, GAD/GAR

Mains Voltage: 115 VAC, 230 VAC

Mains Frequence: 50/60 Hz

Material Housing: Plastic

Enclosure Protection Rate: IP54, IP40

Operation Mode: Intermittent Operation, Permanent Operation

Pulse Firing Capability: Yes, No

Burner Modulation: ON/OFF, Staged, Modulationg

Fieldbus Communication: Profibus, Modbus RTU, Profinet

Air/Fuel Ratio Control: Pneumatic lincage, Mech. parallel positioning

PF version for cycled applications with over 4 million switching cycles
EM 2/4 extension module for shutter control, including Profibus or Modbus interface
EM 2/6 extension module for controlling a flow control valve or PWM fan, including Profibus or Modbus interface
EM 2/8 extension module for controlling a flow control valve or PWM fan, including Profinet interface, IP 40
EM 2/9 Extension module for shutter control, including Profinet interface, IP40

MPA 4112

Article designation	Enclosure Protection Rate	Order no.
230 VAC		
MPA4112 V2.0 cpl. 230VAC	IP54	294812
MPA4112 V2.0 cpl. 230VAC + EM2/4	IP54	300227
MPA4112 V2.0 kpl. 230VAC + EM2/6	IP54	300229
MPA4112 V2.0 cpl. 230VAC + EM2/8	IP40	300461
MPA4112 V2.0 230VAC + EM2/9	IP40	300558
115 VAC		
MPA4112 V2.0 cpl. 115VAC	IP54	294815
MPA4112 V2.0 cpl. 115VAC + EM2/4	IP54	300228
MPA4112 V2.0 115VAC + EM2/6	IP54	300230
MPA4112 V2.0 cpl. 115VAC + EM2/8	IP40	302736
MPA4112 V2.0 115VAC + EM2/9	IP40	302742
PF version, 230 VAC		
MPA4112 PF V2.0 cpl. 230VAC	IP54	297421
MPA4112 PF V2.0 cpl. 230VAC + EM2/4	IP54	300237
MPA4112 PF V2.0 230VAC + EM2/9	IP40	302438
PF version, 115 VAC		
MPA4112 PF V2.0 cpl. 115VAC	IP54	297424
MPA4112 PF V2.0 cpl. 115VAC + EM2/4	IP54	300238

Accessories

Article designation	Order no.
MPA411X Socket	261413
MPA411X Socket "Wide body"	260903
MPA VisionBox cpl.	252228
Servicebox VisionBox mini cpl. V1.0	266290
Flame scanner ionisation for MPA 41xx, 230 VAC, 115 VAC	
FLW41I V1.0 kpl.	258396

DUNGS®
Combustion Controls

MPA 4114 V2.0
Automatic burner controls with optional AM 41 remote display

dungs.com → MPA 4114



Automatic Burner Controls for forced draught or industrial single and multi-burner applications in the low or high temperature range. For burners ignited directly or with pilot flame in intermittent or continuous operation.

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, SIL, RoHS, REACH II, China RoHS-II, GAD/GAR

Mains Voltage: 115 VAC, 230 VAC

Mains Frequence: 50/60 Hz

Material Housing: Plastic

Enclosure Protection Rate: IP54, IP40

Operation Mode: Intermittent Operation, Permanent Operation

Pulse Firing Capability: Yes, No

Burner Modulation: ON/OFF, Staged, Modulationg

Fieldbus Communication: Profibus, Modbus RTU, Profinet

Air/Fuel Ratio Control: Pneumatic lincage, Mech. parallel positioning

PF version for cycled applications with over 4 million switching cycles
EM 2/4 extension module for shutter control, including Profibus or Modbus interface
EM 2/6 extension module for controlling a flow control valve or PWM fan, including Profibus or Modbus interface
EM 2/8 extension module for controlling a flow control valve or PWM fan, including Profinet interface, IP 40
EM 2/9 Extension module for shutter control, including Profinet interface, IP40

MPA 4114

Article designation	Enclosure Protection Rate	Order no.
230 VAC		
MPA4114 V2.0 cpl. 230VAC	IP54	294819
MPA4114 V2.0 cpl. 230VAC + EM2/4	IP54	300239
MPA4114 V2.0 cpl. 230VAC + EM2/6	IP54	300241
MPA4114 V2.0 kpl. 230VAC + EM2/8	IP40	302428
MPA4114 V2.0 230VAC + EM2/9	IP40	302408
115 VAC		
MPA4114 V2.0 cpl. 115VAC	IP54	294822
MPA4114 V2.0 cpl. 115VAC + EM2/4	IP54	300240
MPA4114 V2.0 cpl. 115VAC + EM2/6	IP54	300242
MPA4114 V2.0 115VAC + EM2/8	IP40	302748
MPA4114 V2.0 115VAC + EM2/9	IP40	302745
PF version, 230 VAC		
MPA4114 PF V2.0 cpl. 230VAC	IP54	297427
MPA4114 PF V2.0 cpl. 230VAC + EM2/4	IP54	300243
MPA4114 PF V2.0 230VAC + EM2/9	IP40	302441
PF version, 115 VAC		
MPA4114 PF V2.0 cpl. 115VAC	IP54	297430
MPA4114 PF V2.0 cpl. 115VAC + EM2/4	IP54	300244

Accessories

Article designation	Order no.
AM41 V2.0 cpl.	297004
Connecting cable AM41 (10m)	298790
MPA411X Socket	261413
MPA411X Socket "Wide body"	260903
MPA VisionBox cpl.	252228
Servicebox VisionBox mini cpl. V1.0	266290
Flame scanner ionisation for MPA 41xx, 230 VAC, 115 VAC	
FLW41I V1.0 kpl.	258396

DUNGS®
Combustion Controls

MPA 4122 V2.0
Automatic Burner Controls

dungs.com → MPA 4122



Automatic Burner Controls for forced draught or industrial single and multi-burner applications in the low or high temperature range. For burners ignited directly or with pilot flame in intermittent or continuous operation.

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, SIL, RoHS, REACH II, China RoHS-II, GAD/GAR

Mains Voltage: 115 VAC, 230 VAC

Mains Frequence: 50/60 Hz

Material Housing: Aluminium die-cast

Enclosure Protection Rate: IP65

Operation Mode: Intermittent Operation, Permanent Operation

Pulse Firing Capability: Yes, No

Burner Modulation: ON/OFF, Staged, Modulationg

Fieldbus Communication: Profibus, Modbus RTU, Profinet

Air/Fuel Ratio Control: Pneumatic lincage, Mech. parallel positioning

PF version for cycled applications with over 4 million switching cycles
EM 2/4 extension module for shutter control, including Profibus or Modbus interface
EM 2/6 extension module for controlling a flow control valve or PWM fan, including Profibus or Modbus interface
EM 2/8 extension module for controlling a flow control valve or PWM fan, including Profinet interface, IP 40
EM 2/9 Extension module for shutter control, including Profinet interface, IP40

MPA 4122

Article designation	Enclosure Protection Rate	Order no.
230 VAC		
MPA4122 V2.0 cpl. 230VAC	IP65	297000
MPA4122 V2.0 cpl. 230VAC + EM2/4	IP65	301657
MPA4122 V2.0 230VAC + EM2/6	IP65	300233
MPA4122 V2.0 cpl. 230VAC + EM2/8	IP65	300557
115 VAC		
MPA4122 V2.0 cpl. 115VAC	IP65	297009
MPA4122 V2.0 cpl. 115VAC + EM2/4	IP65	301725
MPA4122 V2.0 115VAC + EM2/6	IP65	300234
MPA4122 V2.0 cpl. 115VAC + EM2/8	IP65	302739
PF version, 230 VAC		
MPA4122 PF V2.0 cpl. 230VAC	IP65	297433
MPA4122 PF V2.0 cpl. 230VAC + EM2/4	IP65	301724
MPA4122 PF V2.0 cpl. 230VAC + EM2/8	IP65	302444
PF version, 115 VAC		
MPA4122 PF V2.0 cpl. 115VAC	IP65	297436
MPA4122 PF V2.0 cpl. 115VAC + EM2/4	IP65	301726

Accessories

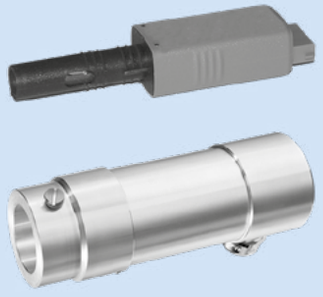
Article designation	Order no.
MPA4122 V2.0 Cable gland set	301746
MPA VisionBox cpl.	252228
Servicebox VisionBox mini cpl. V1.0	266290
Flame scanner ionisation for MPA 41xx, 230 VAC, 115 VAC	
FLW41I V1.0 kpl.	258396

DUNGS®
Combustion Controls

FLW 1x IR, FLW 2x UV
Flame Sensors

dungs.com → FLW 1x IR

dungs.com → FLW 2x UV



The FLW and UV flame sensors are used for optical flame detection. The FLW 1x IR operate in the infrared spectrum with flicker frequency detection, whilst the FLW 2x UV and UV 4x operate in the ultraviolet spectrum. The UV 4x flame sensors have an ionisation signal output. All three compact flame sensors are suitable for non-permanent operation. When used in conjunction with the EM 1/1 shutter unit, the UV 4x flame sensors are suitable for continuous operation.

Sensor-Type: UV-Bulb, Semiconductors IR Sensors

Range of light radiation: UV light, Daylight, IR light

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, RoHS, REACH II, GAD/GAR

Mains Voltage: 230 VAC, 24 VDC

Mains Frequence: 50/60 Hz

Material Housing: Plastic, Aluminum machined

Enclosure Protection Rate: IP54, IP41

Electrical Connection: Screw terminals

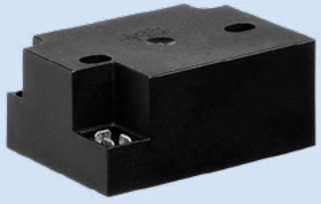
FLW 1x IR, FLW 2x UV, UV 4x

Article designation	Order no.
FLW for MPA 41xx, 230 VAC	
FLW 10 IR V2.1	255216
FLW 20 UV	250733
FLW 20 UV/F V1.0	264399
FLW 20 UV/F/HE V1.0	266054
Flange Angle 45° for FLW	264861
FLW Flansch D 14mm / H 7mm	250734
FLW Flansch D 14mm / H 13mm	250735
FLW Connection cabel 350mm	250736
FLW Connection cabel 600mm	251756
FLW Connection cabel 1000mm	250737
UV 4x for MPA 41xx, 230 VAC, 115 VAC	
UV41 Sensor cpl.	256692
UV41 HE Sensor cpl.	260575
UV42 Sensor kpl.	258385
Spare part UV-Diode UV41	258811
Spare part UV-Diode UV HE	261201
Ersatz UV-Diode UV42 257502	258812
UV4x-EM1/1 (UV-Shutter)	259361
UV4x-EM1/3 Adapter cpl.	256667
UV4x-EM1/4 Adapter cpl.	260224
UV4x-EM1/5 Adapter cpl. Quartz Glass	260225
UV4x-EM1/6 Adapter kpl.	260221
UV4x-EM1/7 Adapter kpl.	260223
UV4x-EM1/8 Adapter kpl.	260831
UV4x-EM1/9 Adapter kpl.	260832
UV4x-EM1/10 Adapter kpl.	266715

DUNGS®
Combustion Controls

DEZ, DIZ
Ignition Transformers

dungs.com → DEZ, DIZ



CE

The ignition transformers DEZ, DIZ are used in commercial and industrial applications to ignite burners with a voltage up to 15 kV.

Approvals/Certificates: CE, UL

Mains Voltage: 115 VAC, 120 VAC, 220 - 240 VAC, 230 VAC

Mains Frequence: 50 Hz, 50/60 Hz

Outlet Voltage: 2x4 kV, 5 kV, 8 kV, 2x12 kV, 2x14 kV, 15 kV

Outlet Current: 12 mA, 15 mA, 20 mA, 30 mA

Duty Cycle: 19 % on 3', 25 % on 4', 33 % on 3', 100%

No. of ignition rods: single pole, double poles

Single-electr. op. capabillity: No, Yes

Electrical Connection: Female plug, Fixed/ molded cable, Screw terminals

DEZ, DIZ

SEO = Suitable for Single-Electrode operation

Article designation	Outlet Voltage	Outlet Current [mA]	Order no.
Electronic Ignition Transformers			
230 VAC			
Ignition transformer DEZ100 230VAC	15 kV	30	252113
Zündtrafo DEZ200 230VAC	2x14 kV	20	252114
Ignition Transformer DEZ202	2x14 kV	20	295180
Zündtrafo DEZ100/ SEO 230VAC	15 kV	30	257126
120 VAC			
Zündtrafo DEZ101 120VAC	15 kV	30	255018
Ignition Transformer DEZ201 120VAC	2x12 kV	30	260183
Zündtrafo DEZ101/ SEO 120VAC	15 kV	30	257127
Inductive Ignition Transformers			
230 VAC			
Ignition transformer DIZ 100 230VAC	8 kV	20	264353
Ignition transformer DIZ 200 230VAC	2x4 kV	12	264352
Ignition transformer DIZ 100 SEO 230VAC	8 kV	20	276606
Ignition transformer DIZ 101 SEO 230VAC	8 kV	12	293877
Ignition transf. DIZ 101 SEO 230VAC IP65	8 kV	20	293881
Ignition transformer DIZ 110 SEO 230VAC	5 kV	15	274627
115 VAC			
Ignition transformer DIZ 111 SEO 115VAC	5 kV	15	274628

Accessories

CFC = Carbon Fiber Conductor

Article designation	Order no.
Connecting Cable DEZ	
DEZ Power Cord 265mm	254827
DEZ Power Cord 1000mm	252119
DEZ Power Cord 5000mm	261303
DEZ Power Cord 75mm, UL	301180
Ignition Cable DEZ	
DEZ Ign. Cable (CFC) 370mm	252120
DEZ Ign. Cable (CFC) 1000mm	252121
DEZ Ign. Cable (CFC) 1500mm	252122
Without spark plug connector	
DEZ Ign. Cable (CFC) 3000mm w/o sp. plug	255946
DEZ Ign. Cable (Cu) 1500mm w/o spac plug	274541
Connection plug	
Anschlußstecker Brenner 90° Zündl. DEZ	256784
Anschlußkappe Brenner 90° f. Zündl. DEZ	256783

Pressure Regulators

Overview Pressure Regulators

Type	Connection	p_u max. [kPa]	p_d [kPa]	SAV	SRV	Page
FRS	Thread/Flange	50	0.25 – 20	–	–	12
FRNG	Thread/Flange	20	-0.3 – 20	–	–	13
FRI	Thread	48	0.25 – 15	–	–	14
FRN OH	Flange	20	-0.3 – 20	Optional	–	15
FRSBV	Thread	500	3.2 – 200	–	√	16
FRM	Flange	2000	3 – 400	Optional	–	17
FRM-NOC	Thread/Flange	1000	2 – 400	Optional	–	19
SAV	Thread/Flange	2000	18 – 500	√	–	21

Type Code FRS, FRNG, FRI, FRN OH, FRSBV, FRM, FRM-NOC, SAV

Type	
FRS	Pressure regulator
FRNG	Zero/Proportional pressure
FRI	Pressure regulator for DMV
FRN OH	Zero pressure regulator
FRSBV	Safety pressure relief valve
FRM	Medium pressure regulator
FRM-NOC	Medium pressure regulator with fast reaction time
SAV	Slam shut valve

p_u max. [kPa]	
2	20
5	50
10	100
50	500
100	1000
200	2000
250	2000

Threaded Connection	
03	Rp 3/8
05	Rp 1/2
07	Rp 3/4
10	Rp 1
15	Rp 1 1/2
20	Rp 2
25	Rp 2 1/2

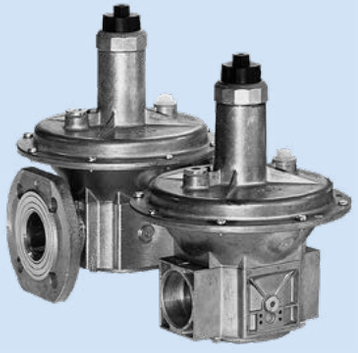
Flanged Connection	
025 … 150	DN 25 – DN 150

Outlet pressure range	
ND	Low pressure
MD	Medium pressure
HD	High pressure
UHD	Ultra-high pressure

DUNGS®
Combustion Controls

FRS
Gas Pressure Regulators

dungs.com → FRS



The Gas Pressure Regulators FRS are spring loaded gas pressure regulators with an adjustable setpoint spring for a constant outlet pressure in a range from 0.25 to 20 kPa.

Product Function: Constant positive pressure

Approvals/Certificates: CE, CSA, EAC, AGA, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/2, Rp 2, Rp 2 1/2

Pressure rating: PN 16

Max. Inlet Pressure/Rated MOP: 50 kPa

Impulse Connection: Intern

Options:
Zero shutoff, inlet-pressure compensation, safety diaphragm
Standard version for control pressures 10–30 mbar (blue spring)
For further control pressures, see spring table

FRS

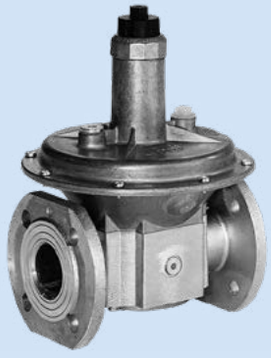
With internal impulse, external pulse line on request

Article designation	Nominal Connection Size	Order no.
Threaded Connection		
FRS 503	Rp 3/8	086462
FRS 505	Rp 1/2	070383
FRS 507	Rp 3/4	070391
FRS 510	Rp 1	070409
FRS 515	Rp 1 1/2	058446
FRS 520	Rp 2	058628
FRS 525	Rp 2 1/2	083303
Flanged Connection		
FRS 5040	DN 40	065144
FRS 5050	DN 50	065151
FRS 5065	DN 65	058792
FRS 5080	DN 80	079681
FRS 5100	DN 100	082552
FRS 5125	DN 125	013250
FRS 5150	DN 150	013268

DUNGS®
Combustion Controls

FRNG
Zero/Proportional Pressure Regulator

dungs.com → FRNG



The Zero/Proportional Pressure Regulator FRNG are spring loaded gas pressure regulator for proportional pressure control with an offset from 0,25 to 20 kPa and pressure proportion up to 15 kPa. Also suitable for zero pressure regulation function from -0,3 to 0,5kPa.

Product Function: Zero pressure, Proportional regulator, Compressed air controles

Approvals/Certificates: CE, CSA, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/2, Rp 2

Pressure rating: PN 16

Max. Inlet Pressure/Rated MOP: 50 kPa

Impulse Connection: Intern

FRNG

With internal impulse

Article designation	Nominal Connection Size	Order no.
Threaded Connection		
FRNG 503	Rp 3/8	220967
FRNG 505	Rp 1/2	220968
FRNG 507	Rp 3/4	220969
FRNG 510	Rp 1	220970
FRNG 515	Rp 1 1/2	209064
FRNG 520	Rp 2	209065
Flanged Connection		
FRNG 5040	DN 40	159350
FRNG 5050	DN 50	209067
FRNG 5065	DN 65	209068
FRNG 5080	DN 80	209069
FRNG 5100	DN 100	214422
FRNG 5125	DN 125	220758
FRNG 5150	DN 150	224212
FRNG 5125 Stroke Measurement Port	DN 125	241762
FRNG 5150 Stroke Measurement Port	DN 150	241764

Accessories

Article designation	Order no.
Bypass element kit FRNG Rp 3/8-2	225256

DUNGS®
Combustion Controls

FRI
Pressure Regulator for DMV

dungs.com → FRI



The Pressure Regulator FRI are spring loaded pressure regulator for constant outlet pressure in a range from 0,25 to 20 kPa with included filter. Possible to mount with flanges or direct in combination with the DUNGS double solenoid valves DMV.

Product Function: Constant positive pressure

Approvals/Certificates: CSA, EAC, AGA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: NPT 1/2, NPT 3/4, NPT 1, NPT 1 1/4

Max. Inlet Pressure/Rated MOP: 7 PSI

Impulse Connection: Intern

FRI

Article designation	Nominal Connection Size	Order no.
FRI 705/6 w/o flange w.mount.kit-15/+70°	NPT 1/2	230472
FRI 707/6 w/o flange w.mount.kit-15/+70°	NPT 3/4	230473
FRI 710/6 w/o flange w.mount.kit-15/+70°	NPT 1	230474
FRI 712/6 w/o flange w.mount.kit-15/+70°	NPT 1 1/4	230475

Connection flanges

Article designation	Order no.
For FRI 705/6, FRI 707/6	
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, VS, DMV 507/11	222001
For FRI 710/6, FRI 712/6	
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, VS, MB/DMV 415-520	221926

DUNGS®
Combustion Controls

FRN OH
Zero Pressure Regulator

dungs.com → FRN OH



The FRN OH zero pressure regulators are spring-loaded gas pressure regulators for pressure regulation with a pressure ratio of -0,2 to 0,3 kPa.

Product Function: Zero pressure

Approvals/Certificates: CE, CSA, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 25%, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 50, DN 65, DN 80, DN 100, DN 125, DN 150

Pressure rating: PN 16, PN 25

Max. Inlet Pressure/Rated MOP: 50 kPa

Impulse Connection: Intern, Extern

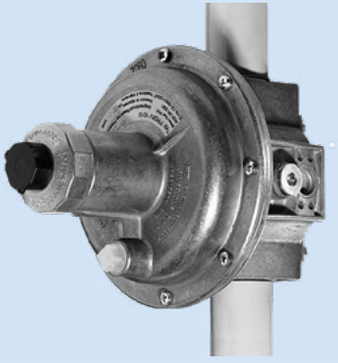
FRN OH

Article designation	Nominal Connection Size	Order no.
FRN OH 5040	DN 40	297484
FRN OH 5050	DN 50	297485
FRN OH 5065	DN 65	297486
FRN OH 5080	DN 80	297487
FRN OH 5100	DN 100	297488
FRN OH 5125	DN 125	297489
FRN OH 5150	DN 150	297490

DUNGS®
Combustion Controls

FRSBV
Safety Pressure Relief Valves

dungs.com → FRSBV



The spring loaded Safety Pressure Relief Valves FRSBV for relief pressure settings from 7–83 kPa or 4.5–200 kPa.

Product Function: Relief Valve

Approvals/Certificates: CE, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: Rp 1/2, Rp 1

Max. Inlet Pressure/Rated MOP: 100 kPa, 500 kPa

Impulse Connection: Intern

FRSBV

Article designation	Nominal Connection Size	Order no.
FRSBV 1010	Rp 1	226284
FRSBV 5010 ND	Rp 1/2	289263

DUNGS®
Combustion Controls

FRM
Medium Pressure Regulator

dungs.com → FRM, DN 25-50

dungs.com → FRM, DN 65-80

apps.dungs.com → FRM



The Medium Pressure Regulator FRM are spring loaded pressure regulator for constant outlet pressure in a range from 3 to 400 kPa. With inlet pressure compensation. Optionally with Slam shut valve incorporated.

Product Function: Medium Pressure Regulation

Approvals/Certificates: CE, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 25%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 25, DN 40, DN 50, DN 65, DN 80

Pressure rating: PN 25

Max. Inlet Pressure/Rated MOP: 1000 kPa, 2000 kPa

Impulse Connection: Extern

Options:
SSV option
Suitable for marine applications
FRM available with C4 or C5M housing coating
100% hydrogen compatible for FRM...025/040/050
ANSI variants available

FRM

Flanged Connection

Article designation	Nominal Connection Size	Order no.
Outlet pressure range: 3 – 10 kPa		
FRM 100025 ND	DN 25	270272
FRM 100040 ND	DN 40	270278
FRM 100050 ND	DN 50	270284
Outlet pressure range: 9 – 42 kPa		
FRM 100025 MD	DN 25	270273
FRM 100040 MD	DN 40	270279
FRM 100050 MD	DN 50	270285
FRM 100065 MD	DN 65	277241
FRM 100080 MD	DN 80	277244
Outlet pressure range: 40 – 150 kPa		
FRM 100025 HD	DN 25	270274
FRM 100040 HD	DN 40	270280
FRM 100050 HD	DN 50	270286
FRM 100065 HD	DN 65	277242
FRM 100080 HD	DN 80	277245
Outlet pressure range: 100 – 400 kPa		
FRM 250025 UHD	DN 25	271116
FRM 250040 UHD	DN 40	271118
FRM 250050 UHD	DN 50	271120
FRM 250065 UHD	DN 65	277243
FRM 250080 UHD	DN 80	277246
With SSV, Outlet pressure range: 3 – 10 kPa		
FRM 100025 ND/SAV ND	DN 25	270275
FRM 100040 ND/SAV ND	DN 40	270281
FRM 100050 ND/SAV ND	DN 50	270287
With SSV, Outlet pressure range: 9 – 42 kPa		
FRM 100025 MD/SAV MD	DN 25	270276
FRM 100040 MD/SAV MD	DN 40	270282
FRM 100050 MD/SAV MD	DN 50	270288
FRM 100065 MD/SAV MD	DN 65	273061
FRM 100080 MD/SAV MD	DN 80	276115
With SSV, Outlet pressure range: 40 – 150 kPa		
FRM 100025 HD/SAV HD	DN 25	270277
FRM 100040 HD/SAV HD	DN 40	270283
FRM 100050 HD/SAV HD	DN 50	270289
FRM 100065 HD/SAV HD	DN 65	276113
FRM 100080 HD/SAV HD	DN 80	276116

Article designation	Nominal Connection Size	Order no.
With SSV, Outlet pressure range: 100 – 400 kPa		
FRM 250025 UHD/SAV UHD	DN 25	271117
FRM 250040 UHD/SAV UHD	DN 40	271119
FRM 250050 UHD/SAV UHD	DN 50	271121
FRM 250065 UHD/SAV UHD	DN 65	276114
FRM 250080 UHD/SAV UHD	DN 80	276117

Inspection Certificate 3.1

Inspection certificate according to EN 10204 based on specific inspections, which are validated by the manufacturer's authorized, independent inspection representative.

Article designation	
Inspection certificate according to EN 10204 based on specific inspections, which are validated by the manufacturer's authorized, independent inspection representative.	on request

Accessories

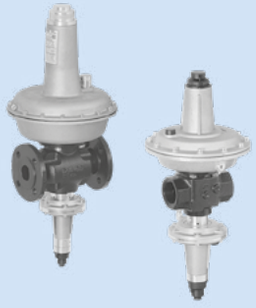
Article designation	Order no.
Repl. Kit Nozzle's FRM (8 pc.)	270712
Repl. Kit Reed contact SAV 25-50	288374
Repl. Kit Limit switch ASE 65-80	288377
Repl. Kit Venting cap FRM G 1/2"	277942

DUNGS®
Combustion Controls

FRM-NOC
Medium Pressure Regulator with fast reaction time

dungs.com → FRM-NOC

apps.dungs.com → FRM-NOC



The Medium Pressure Regulator FRM-NOC are spring loaded pressure regulator with fast reaction time for constant outlet pressure in a range from 2 to 400 kPa. Optionally with Slam shut valve incorporated.

Product Function: Medium Pressure Regulation

Approvals/Certificates: CE, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 25, DN 40, DN 50, Rp 1, Rp 1 1/2, Rp 2

Pressure rating: PN 25

Max. Inlet Pressure/Rated MOP: 1000 kPa

Impulse Connection: Intern, Extern

Options:
SSV option
Suitable for marine applications
ANSI or NPT variants available

FRM-NOC

Article designation	Nominal Connection Size	Order no.
Outlet pressure range: 2 – 10 kPa, Threaded connection		
FRM-NOC 10010 ND	Rp 1	279054
FRM-NOC 10015 ND	Rp 1 1/2	279060
FRM-NOC 10020 ND	Rp 2	279064
Outlet pressure range: 2 – 10 kPa, Flanged connection		
FRM-NOC 100025 ND	DN 25	279085
FRM-NOC 100040 ND	DN 40	279089
FRM-NOC 100050 ND	DN 50	279093
Outlet pressure range: 8 – 42 kPa, Threaded connection		
FRM-NOC 10010 MD	Rp 1	279055
FRM-NOC 10015 MD	Rp 1 1/2	279061
FRM-NOC 10020 MD	Rp 2	279065
Outlet pressure range: 8 – 42 kPa, Flanged connection		
FRM-NOC 100025 MD	DN 25	279086
FRM-NOC 100040 MD	DN 40	279090
FRM-NOC 100050 MD	DN 50	279094
Outlet pressure range: 30 – 150 kPa, Threaded connection		
FRM-NOC 10010 HD	Rp 1	279058
FRM-NOC 10015 HD	Rp 1 1/2	279062
FRM-NOC 10020 HD	Rp 2	279066
Outlet pressure range: 30 – 150 kPa, Flanged connection		
FRM-NOC 100025 HD	DN 25	279087
FRM-NOC 100040 HD	DN 40	279091
FRM-NOC 100050 HD	DN 50	279095
Outlet pressure range: 100 – 400 kPa, Threaded connection		
FRM-NOC 10010 UHD	Rp 1	279059
FRM-NOC 10015 UHD	Rp 1 1/2	279063
FRM-NOC 10020 UHD	Rp 2	279067
Outlet pressure range: 100 – 400 kPa, Flanged connection		
FRM-NOC 100025 UHD	DN 25	279088
FRM-NOC 100040 UHD	DN 40	279092
FRM-NOC 100050 UHD	DN 50	279096
With SSV, Outlet pressure range: 2 – 10 kPa, Threaded connection		
FRM-NOC 10010 ND/SAV ND	Rp 1	279042
FRM-NOC 10015 ND/SAV ND	Rp 1 1/2	279046
FRM-NOC 10020 ND/SAV ND	Rp 2	279050
With SSV, Outlet pressure range: 2 – 10 kPa, Flanged connection		
FRM-NOC 100025 ND/SAV ND	DN 25	279073
FRM-NOC 100040 ND/SAV ND	DN 40	279077
FRM-NOC 100050 ND/SAV ND	DN 50	279081

Article designation	Nominal Connection Size	Order no.
With SSV, Outlet pressure range: 8 – 42 kPa, Threaded connection		
FRM-NOC 10010 MD/SAV MD	Rp 1	279043
FRM-NOC 10015 MD/SAV MD	Rp 1 1/2	279047
FRM-NOC 10020 MD/SAV MD	Rp 2	279051
With SSV, Outlet pressure range: 8 – 42 kPa, Flanged connection		
FRM-NOC 100025 MD/SAV MD	DN 25	279074
FRM-NOC 100040 MD/SAV MD	DN 40	279078
FRM-NOC 100050 MD/SAV MD	DN 50	279082
With SSV, Outlet pressure range: 30 – 150 kPa, Threaded connection		
FRM-NOC 10010 HD/SAV HD	Rp 1	279044
FRM-NOC 10015 HD/SAV HD	Rp 1 1/2	279048
FRM-NOC 10020 HD/SAV HD	Rp 2	279052
With SSV, Outlet pressure range: 30 – 150 kPa, Flanged connection		
FRM-NOC 100025 HD/SAV HD	DN 25	279075
FRM-NOC 100040 HD/SAV HD	DN 40	279079
FRM-NOC 100050 HD/SAV HD	DN 50	279083
With SSV, Outlet pressure range: 100 – 400 kPa, Threaded connection		
FRM-NOC 10010 UHD/SAV UHD	Rp 1	279045
FRM-NOC 10015 UHD/SAV UHD	Rp 1 1/2	279049
FRM-NOC 10020 UHD/SAV UHD	Rp 2	279053
With SSV, Outlet pressure range: 100 – 400 kPa, Flanged connection		
FRM-NOC 100025 UHD/SAV UHD	DN 25	279076
FRM-NOC 100040 UHD/SAV UHD	DN 40	279080
FRM-NOC 100050 UHD/SAV UHD	DN 50	279084

DUNGS®
Combustion Controls

SAV
Slam Shut Valves

dungs.com → SAV



The DUNGS spring loaded Slam Shut Valves SAV for over and under pressure protection of components downstream.

Product Function: Slam Shut Valve

Approvals/Certificates: CE, EAC, UKCA, UA, ATEX

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 25%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 25, DN 40, DN 50, DN 65, DN 80, Rp 1, Rp 1 1/2, Rp 2

Pressure rating: PN 25

Max. Inlet Pressure/Rated MOP: 1000 kPa, 2000 kPa

Impulse Connection: Extern

Options:
Suitable for marine applications
100% hydrogen for SSV...10/15/20/025/040/050 possible

SAV

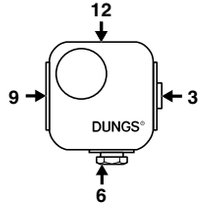
Article designation	Nominal Connection Size	Order no.
Lower switching point: 1 – 50 kPa, Upper switching point: 6 – 99.9 kPa, Threaded connection		
SAV 10010 ND-MD	Rp 1	287908
SAV 10015 ND-MD	Rp 1 1/2	287911
SAV 10020 ND-MD	Rp 2	287914
Lower switching point: 1 – 50 kPa, Upper switching point: 6 – 99.9 kPa, Flanged connection		
SAV 100025 ND-MD	DN 25	270291
SAV 100040 ND-MD	DN 40	270294
SAV 100050 ND-MD	DN 50	270297
Lower switching point: 3.5 – 40 kPa, Upper switching point: 18 – 80 kPa, Flanged connection		
SAV 100065 MD	DN 65	287898
SAV 100080 MD	DN 80	287900
Lower switching point: 15 – 300 kPa, Upper switching point: 60 – 500 kPa, Threaded connection		
SAV 10010 HD-UHD	Rp 1	287909
SAV 10015 HD-UHD	Rp 1 1/2	287912
SAV 10020 HD-UHD	Rp 2	287915
Lower switching point: 15 – 300 kPa, Upper switching point: 60 – 500 kPa, Flanged connection		
SAV 250025 HD-UHD	DN 25	271122
SAV 250040 HD-UHD	DN 40	271123
SAV 250050 HD-UHD	DN 50	271124
Lower switching point: 15 – 300 kPa, Upper switching point: 50 – 500 kPa, Flanged connection		
SAV 250065 UHD	DN 65	279386
SAV 250080 UHD	DN 80	279387

Pressure Switches for Gas and Air

Overview Pressure sensors with CE approval

Type	Medium	Function	Pressure	Connection	Adjustable	p_u max. [kPa]	Page
GGW…A4	Gas/Gas	Switch	Differential	Thread	√	50	23
LGW…A4	Gas/Air	Switch	Differential	Thread	√	50	24
NB/ÜB…A4	Gas	Limiter	Positive	Thread	√	50/60	25
GW…A6	Gas	Switch	Positive	Thread	√	50/60	26
GW...A4, GW...A4 HP	Gas	Switch	Positive	Thread	√ High pressure	200/500/ 800	27
GW…A5	Gas	Switch	Positive	Flange	√	50/60	28
LGW…A2	Air/Air	Switch	Differential	Hose	√	50	29
LGW…A2P	Air/Air	Switch	Differential	Thread	√ Test button	50	29
LGW…A2-7	Air/Air	Switch	Differential	Hose	√	50	29
LGW…A1	Air/Air	Switch	Differential	Hose	fix	10	
KS…A2-7	Air/Air	Switch	Differential	Hose	Klima-Set	10	30

Type Code GGW, LGW, NB/ÜB, GW, KS



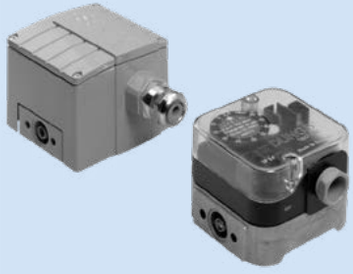
Pressure connections clockwise

…A1	Factory-calibrated
…A2	Hose connector
...A4	Threaded Connection
...A5	O ring flanged connection, compact design
…A6	Threaded connection, narrow design
P	Test button
/1	With damping nozzle, 0,4 mm
/2	Aluminum casing IP 65
-7	Adjustable measuring range from as low as 20–150 Pa
Y	Yellow setting whee
U	Adjsutable measuring range in the neagtive pressure range
Ag	Switching contact: Silver
Au	Switching contact: Gold
G3	Squipment plug for line sockets
M	Screw terminals via cable gland
PG	Screw terminals via cable gland PG 11
MS6	Pressure test point, position of the pressure set point at 6 o´clock
MS9	Pressure test point, position of the pressure set point at 9 o´clock
V0	Pressure connection at the bottom
V12	Pressure connection at the bottom, top pressure connection
VS3	Pressure connection with locking screw, position of the pressure connetion at 3 o´clock
fa ↓	Device set to falling pressure, pressure switch switches when pressure rises or falls
st ↑	Device set to rising pressure, pressure switch switches when pressure rises or falls
se	Vertical mounting position

DUNGS®
Combustion Controls

GGW...A4
Pressure Switches for gas, air, flue, exhaust gases and hydrogen

dungs.com → GGW...A4



Adjustable Pressure Switches GGW…A4 for monitoring overpressure, underpressure or differential pressure. Suitable for air, flue, exhaust gases, hydrogen and gases of gas families 1, 2 and 3 in burner, ventilation and air-conditioning systems.

Product Function: Differential Pressure Switch

Approvals/Certificates: CE, EAC, UKCA, UA

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Medium P-: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Terminal conn. M cable gland

Enclosure Protection Rate: IP54, IP65

Contact Material: Gold

Mechanical Connection P+: G 1/4 female thread

Mechanical Connection P-: G 1/8 female thread

Max. Inlet Pressure/Rated MOP: -50 kPa, 50 kPa

GGW…A4

ATEX version see page 72
Special gases version see page 73

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
IP54			
GGW 3 A4 Au-M-MS9-V0-VS3 st-se 1P	0,04	0,3	248673
GGW 10 A4 Au-M-MS9-V0-VS3 st-se 1P	0,1	1	248276
GGW 50 A4 Au-M-MS9-V0-VS3 st-se 1P	0,25	5	246176
GGW 150 A4 Au-M-MS9-V0-VS3 st-se 1P	3	15	248295
Adjsutable measuring range in the neagtive pressure range			
GGW 3 A4-U Au-M-MS9-V0-VS3 st-se 1P	-0,04	-0,3	248327
GGW 10 A4-U Au-M-MS9-V0-VS3 st-se 1P	-0,1	-1	240358
GGW 50 A4-U Au-M-MS9-V0-VS3 st-se 1P	-0,25	-5	246178
GGW 150 A4-U Au-M-MS9-V0-VS3 st-se 1P	-3	-15	247980
Aluminum casing IP 65			
GGW 3 A4/2 Au-M-MS9-V0-VS3 st-se 1P	0,04	0,3	248686
GGW 10 A4/2 Au-M-MS9-V0-VS3 st-se 1P	0,1	1	248687
GGW 50 A4/2 Au-M-MS9-V0-VS3 st-se 1P	0,25	5	248688
GGW 150 A4/2 Au-M-MS9-V0-VS3 st-se 1P	3	15	248689
Adjustable measuring range in the neagtive pressure range, aluminum casing IP65			
GGW 3 A4-U/2 Au-M-MS9-V0-VS3 st-se 1P	-0,04	-0,3	248690
GGW 10 A4-U/2 Au-M-MS9-V0-VS3 st-se 1P	-0,1	-1	248691
GGW 50 A4-U/2 Au-M-MS9-V0-VS3 st-se 1P	-0,25	-5	248692
GGW 150 A4-U/2 Au-M-MS9-V0-VS3 st-se 1P	-3	-15	248693

Accessories

Article designation	Order no.
Appliance plug set G3 GWA2/A4 3-pin+GND	219659
Cable socket 3-pin + PE grey	210318
Repl.kit meas.conn.cpl.with seal ring/1	266042
Repl.kit meas. conn. cpl. with seal ring	230397
Repl.kit screwcap+seal ring G 1/4 1pcs	266044
Assembly kit double press.mon. GWA6,..A4	213910
Ers.Set Haltewinkel Metall GW/LGW A4	230288
Repl.Set neon light assemb.yel 220V/50Hz	231773
Repl.Set neon light assembly 120V/60Hz	231772
Repl.Set light assembly 24 V	231774
Repl.Set neon light assembl.gn 220V/50Hz	248239
Repl.Set light assembly 24 V gn	248240

DUNGS®
Combustion Controls

LGW...A4
Pressure Switches for gas, air, flue, exhaust gases and hydrogen

dungs.com → LGW...A4



Adjustable DUNGS Pressure Switches LGW...A4 for monitoring overpressure, underpressure or differential pressure. Suitable for air, flue, exhaust gases and non-aggressive gases in burner, ventilation and air-conditioning systems. When used as an overpressure monitor or for measuring the differential pressure, gases of gas families 1, 2 and 3, gas-air mixtures or hydrogen can be connected to P+ (G 1/4").

Product Function: Differential Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Medium P-: Flue, exhaust, no-agress. gas

Electrical Connection: Terminal conn. M cable gland, Plug (4 pin) with socket, Plug (4 pin) without socket

Enclosure Protection Rate: IP54, IP65

Contact Material: Silver, Gold

Mechanical Connection P+: G 1/4 female thread

Mechanical Connection P-: G 1/8 female thread

Max. Inlet Pressure/Rated MOP: 50 kPa

LGW…A4

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
Switching contact: Silver, Screw terminals via cable gland			
LGW 3 A4 Ag-M-MS9-V0-VS3 st-se 1P	0,04	0,3	272338
LGW 10 A4 Ag-M-MS9-V0-VS3 st-se 1P	0,1	1	272344
LGW 50 A4 Ag-M-MS9-V0-VS3 st-se 1P	0,25	5	272342
LGW 150 A4 Ag-M-MS9-V0-VS3 st-se 1P	3	15	272353
Switching contact: Gold, Screw terminals via cable gland			
LGW 3 A4 Au-M-MS9-V0-VS3 st-se 1P	0,04	0,3	229382
LGW 10 A4 Au-M-MS9-V0-VS3 st-se 1P	0,1	1	229383
LGW 50 A4 Au-M-MS9-V0-VS3 st-se 1P	0,25	5	229385
LGW 150 A4 Au-M-MS9-V0-VS3 st-se 1P	3	15	229386
Switching contact: Silver, Squipment plug for line sockets			
LGW 3 A4 Ag-G3-MS9-V0-VS3 st-se 1P	0,04	0,3	272351
LGW 10 A4 Ag-G3-MS9-V0-VS3 st-se 1P	0,1	1	272348
LGW 50 A4 Ag-G3-MS9-V0-VS3 st-se 1P	0,25	5	272347
LGW 150 A4 Ag-G3-MS9-V0-VS3 st-se 1P	3	15	272361
Aluminum casing IP65, Switching contact: Silver, Squipment plug for line sockets			
LGW 3 A4/2 Ag-G3-MS9-V0-VS3 st-ser 1P	0,04	0,3	232716
LGW 10 A4/2 Ag-G3-MS9-V0-VS3 st-se 1P	0,1	1	232717
LGW 50 A4/2 Ag-G3-MS9-V0-VS3 st-se 1P	0,25	5	232718
LGW 150 A4/2 Ag-G3-MS9-V0-VS3 st-se 1P	3	15	232719
Yellow setting wheel, Switching contact: Silver, Screw terminals via cable gland			
LGW 3 A4 Y-Ag-M-MS9-V0-VS3 st-se 1P	0,04	0,3	272358
LGW 10 A4 Y-Ag-M-MS9-V0-VS3 st-se 1P	0,1	1	272360
LGW 50 A4 Y-Ag-M-MS9-V0-VS3 st-se 1P	0,25	5	272355
LGW 150 A4 Y-Ag-M-MS9-V0-VS3 st-se 1P	3	15	272359

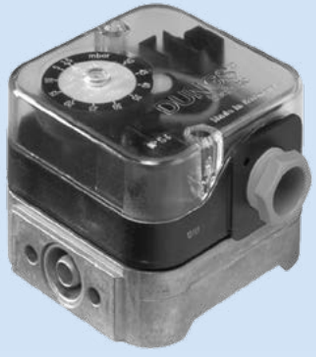
Accessories

Article designation	Order no.
Appliance plug set G3 GWA2/A4 3-pin+GND	219659
Cable socket 3-pin + PE grey	210318
Repl.kit meas.conn.cpl.with seal ring/1	266042
Repl.kit meas. conn. cpl. with seal ring	230397
Assembly kit double press.mon. GWA6,..A4	213910
Ers.Set Haltewinkel Metall GW/LGW A4	230288
Repl.kit angle screw socket G 1/4	230279
Repl.kit angle screw socket G 1/8	230278
Repl.Set neon light assemb.yel 220V/50Hz	231773
Repl.Set neon light assembly 120V/60Hz	231772
Repl.Set light assembly 24 V	231774
Repl.Set neon light assembl.gn 220V/50Hz	248239
Repl.Set light assembly 24 V gn	248240

DUNGS®
Combustion Controls

ÜB, NB...A4
Pressure Limiters for gas, air, flue, exhaust gases and hydrogen

dungs.com → ÜB, NB



Adjustable Pressure Switches ÜB, NB…A4 with manual reset for monitoring overpressure. Suitable for air, flue, exhaust gases, hydrogen and gases of gas families 1, 2 and 3 in burner, ventilation and air-conditioning systems.

Product Function: Pressure Limiter low, Pressure Limiter high

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Terminal conn. PG cable gland

Enclosure Protection Rate: IP54

Contact Material: Silver

Mechanical Connection P+: G 1/4 female thread

Max. Inlet Pressure/Rated MOP: 50 kPa, 60 kPa

NB/ÜB…A4

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
Switches and locks when the pressure set point is undershot			
NB 50 A4 Ag-PG-MS9-V0 fa-se 1P	0,5	5	210534
NB 150 A4 Ag-PG-MS9-V0 fa-se 1P	3	15	210931
NB 500 A4 Ag-PG-MS9-V0 fa-se 1P	5	50	210971
Switches and locks when the pressure set point is exceeded			
ÜB 50 A4 Ag-PG-MS9-V0 st-se 1P	0,5	5	210537
ÜB 150 A4 Ag-PG-MS9-V0 st-se 1P	3	15	138630
ÜB 500 A4 Ag-PG-MS9-V0 st-se 1P	5	50	210970

Accessories

Article designation	Order no.
Appliance plug cpl. G3 w. earth NB/ÜB	227644
Cable socket 3-pin + PE grey	210318
Repl.kit glow lamp AC 220V set 1 pcs	266039
Repl.set light AC 120V/60Hz (1pc.)	244156
Repl.set light 24V (1pc.)	244157
Repl.kit meas.conn.cpl.with seal ring/1	266042
Repl.kit screwcap+seal ring G 1/4 1pcs	266044
Ers.Set Haltewinkel Metall GW/LGW A4	230288
Assembly kit double press.mon. GWA6,..A4	213910

DUNGS®
Combustion Controls

GW...A6
Compact Pressure Switches for gas, air, flue, exhaust gases and hydrogen

dungs.com → GW...A6



Adjustable Pressure Switches GW…A6 for monitoring pressure deviations. Suitable for air, flue, exhaust gases, hydrogen and gases of gas families 1, 2 and 3 in burner, ventilation and air-conditioning systems.

Product Function: Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Plug (4 pin) with socket, Plug (4 pin) without socket

Enclosure Protection Rate: IP54

Contact Material: Silver

Mechanical Connection P+: G 1/4 female thread

Max. Inlet Pressure/Rated MOP: 50 kPa, 100 kPa

GW…A6

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
Pressure connection at the bottom			
GW 3 A6 Ag-G3-MS9-V0 fa-se 1P	0,1	0,3	272343
GW 10 A6 Ag-G3-MS9-V0 fa-se 1P	0,2	1	272620
GW 50 A6 Ag-G3-MS9-V0 fa-se 1P	0,5	5	272615
GW 150 A6 Ag-G3-MS9-V0 fa-se 1P	0,5	15	272616
GW 500 A6 Ag-G3-MS9-V0 fa-se 1P	10	50	272618
Pressure connection with locking screw, position of the pressure connetion at 3 o´clock			
GW 3 A6 Ag-G3-MS9-V0-VS3 fa-se 1P	0,1	0,3	231111
GW 10 A6 Ag-G3-MS9-V0-VS3 fa-se 1P	0,2	1	231112
GW 50 A6 Ag-G3-MS9-V0-VS3 fa-se 1P	0,5	5	231113
GW 150 A6 Ag-G3-MS9-V0-VS3 fa-se 1P	0,5	15	231114
GW 500 A6 Ag-G3-MS9-V0-VS3 fa-se 1P	10	50	231115
With damping nozzle, 0,4 mm			
GW 50 A6/1 Ag-G3-MS9-V0-VS3 fa-se 1P	0,5	5	275411
GW 150 A6/1 Ag-G3-MS9-V0-VS3fa-se 1P	0,5	15	275412
GW 500 A6/1 Ag-G3-MS9-V0-VS3fa-se 1P	10	50	275413

Accessories

Article designation	Order no.
Cable socket 3-pin + PE grey	210318
Repl.kit meas.conn.cpl.with seal ring/1	266042
Repl.kit screwcap+seal ring G 1/4 1pcs	266044
Assembly kit double press.mon. GWA6,..A4	213910

DUNGS®
Combustion Controls



GW...A4, GW...A4 HP
Pressure Switches for gas, air, flue, exhaust gases and hydrogen for high pressure application

dungs.com → GW 500 A4

dungs.com → GW...A4 HP

Adjustable Pressure Switches GW...A4, GW…A4 HP for monitoring pressure deviations. Suitable for air, flue, exhaust gases, hydrogen and gases of gas families 1, 2 and 3 in burner, ventilation and air-conditioning systems.

Product Function: Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Terminal conn. M cable gland, Plug (4 pin) with socket, Plug (4 pin) without socket

Enclosure Protection Rate: IP54, IP65

Contact Material: Silver, Gold

Mechanical Connection P+: G 1/4 female thread

Max. Inlet Pressure/Rated MOP: 60 kPa, 500 kPa, 800 kPa

GW...A4, GW...A4 HP

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
GW...A4			
GW 500 A4 Ag-G3-MS9-V0 st-se 1P	10	50	218270
GW 500 A4 Au-PG-MS9-V0-VS3 st-se	10	50	211028
GW 500 A4/2 Ag-G3-MS9-V0-VS3 st-se 1P	10	50	238572
GW...A4 HP			
GW 500 A4 HP Au-G3-V0 st-se 1P	10	50	254285
GW 2000 A4 HP Au-G3-V0 st-se 1P	40	200	254286
GW 6000 A4 HP Au-G3-V0 st-se 1P	100	600	254287
GW..A4 HP, metal housing, powder-coated, IP65			
GW 500 A4/2 HP Au-G3-V0 st-se 1P	10	50	254282
GW 2000 A4/2 HP Au-G3-V0 st-se 1P	40	200	254283
GW 6000 A4/2 HP Au-G3-V0 st-se 1P	100	600	254284

Accessories

Article designation	Order no.
Appliance plug set G3 GWA2/A4 3-pin+GND	219659
Cable socket 3-pin + PE grey	210318
Repl.Set neon light assemb.yel 220V/50Hz	231773
Repl.Set neon light assembly 120V/60Hz	231772
Repl.Set light assembly 24 V	231774
Repl.Set neon light assembl.gn 220V/50Hz	248239
Repl.Set light assembly 24 V gn	248240

DUNGS®
Combustion Controls

GW...A5
Compact Pressure Switches for gas, air, flue, exhaust gases and hydrogen for multifunctional device

dungs.com → GW...A5



Adjustable Pressure Switches GW...A5 for monitoring pressure deviations, specially developed for mounting on DUNGS multifunctional device, double solenoid valves, safety valves and pressure regulators. Suitable for air, flue, exhaust gases, hydrogen and gases of gas families 1, 2 and 3 in burner, ventilation and air-conditioning systems.

Product Function: Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Plug (4 pin) without socket

Enclosure Protection Rate: IP54

Contact Material: Silver

Mechanical Connection P+: O-Ring flange connection

Max. Inlet Pressure/Rated MOP: 50 kPa, 100 kPa

GW…A5

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
GW 3 A5 Ag-G3-MS6-V12 fa-se Set 1P	0,1	0,3	272362
GW 10 A5 Ag-G3-MS6-V12 fa-se Set 1P	0,2	1	272350
GW 50 A5 Ag-G3-MS6-V12 fa-se Set 1P	0,5	5	272340
GW 150 A5 Ag-G3-MS6-V12 fa-se Set 1P	0,5	15	272339
GW 500 A5 Ag-G3-MS6-V12 fa-se Set 1P	10	50	272349
With damping nozzle, 0,4 mm			
GW 10 A5/1 Ag-G3-MS6-V12 fa-se Set 1P	0,2	1	241245
GW 50 A5/1 Ag-G3-MS6-V12 fa-se Set 1P	0,5	5	241246
GW 150 A5/1 Ag-G3-MS6-V12 fa-se Set 1P	0,5	15	241247
GW 500 A5/1 Ag-G3-MS6-V12 fa-se Set 1P	10	50	241248

Accessories

Article designation	Order no.
Assembly kit Adapter PBR	273777
Assembly kit Adapter cpl. MB 405 - 412	221630
Adapter set for GW A2 with connection	222982
Cable socket 3-pin + PE grey	210318

DUNGS®
Combustion Controls

LGW...A2
Pressure Switches for air, flue and exhaust gases

dungs.com → LGW...A2



Adjustable Pressure Switches LGW...A2 for monitoring overpressure, underpressure or differential pressure. Suitable for air, flue, exhaust gases and non-aggressive gases in burner, ventilation and air-conditioning systems.

Product Function: Differential Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL

Medium P+: Air, Flue, exhaust, no-agress. gas

Medium P-: Air, Flue, exhaust, no-agress. gas

Electrical Connection: Terminal conn. M cable gland, Plug (4 pin) without socket

Enclosure Protection Rate: IP54

Contact Material: Silver, Gold

Mechanical Connection P+: G 1/4 female thread, Hose barb (4.6 mm)

Mechanical Connection P-: G 1/8 female thread, Hose barb (4.6 mm)

Max. Inlet Pressure/Rated MOP: 10 kPa, 50 kPa

LGW…A2

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
Switching contact: Silver, Screw terminals via cable gland			
LGW 3 A2 Ag-M-V9 st-se 1P	0,04	0,3	272337
LGW 10 A2 Ag-M-V9 st-se 1P	0,1	1	272336
LGW 50 A2 Ag-M-V9 st-se 1P	0,25	5	272341
LGW 150 A2 Ag-M-V9 st-se 1P	3	15	272356
Switching contact: Silver, Squipment plug for line sockets			
LGW 3 A2 Ag-G3-V9 st-se 1P	0,04	0,3	218444
LGW 10 A2 Ag-G3-V9 st-se 1P	0,1	1	222025
LGW 50 A2 Ag-G3-V9 st-se 1P	0,25	5	222024
Test button, Switching contact: Silver, Screw terminals via cable gland			
LGW 3 A2P Ag-M-MS3-V0 st-se 1P	0,04	0,3	272352
LGW 10 A2P Ag-PG-MS3-V0 st-se 1P	0,1	1	272345
LGW 50 A2P Ag-M-MS3-V0 st-se 1P	0,25	5	272346
LGW 150 A2P Ag-M-MS3-V0 st-se 1P	3	15	272354
Switching contact: Gold, Screw terminals via cable gland			
LGW 1,5 A2-7 Au-M-V9 fa-se Pa 1P	0,02	0,15	257434
LGW 3 A2-7 Au-M-V9 fa-se Pa 1P	0,04	0,3	257435
LGW 6 A2-7 Au-M-V9 fa-se Pa 1P	0,03	0,6	257436
LGW 10 A2-7 Au-M-V9 st-se Pa 1P	0,1	1	257437

Accessories

Article designation	Order no.
Equipment plug, cpl. 3-pin w/o earth	231770
Cable socket 3-pin + PE grey	210318
Repair kit Climate set access.KS..A2-7	258247
Repl.kit angle screw socket G 1/8	230278
Repl.kit angle screw socket G 1/4	230279
Sp.set attachment plate (1pc.) LGW A1/A2	230301
Repl.Set neon light assemb.yel 220V/50Hz	231773
Repl.Set neon light assembly 120V/60Hz	231772
Repl.Set light assembly 24 V	231774
Repl.Set neon light assembl.gn 220V/50Hz	248239
Repl.Set light assembly 24 V gn	248240

DUNGS®
Combustion Controls

KS...A2
Pressure Switches for air, incl. Climate-Set

dungs.com → KS...A2



Adjustable Pressure Switches KS…A2 for monitoring overpressure, underpressure or differential pressure. Suitable for air and non-aggressive gases in burner, ventilation and air-conditioning systems. Incl. Climate-Set.

Product Function: Differential Pressure Switch

Approvals/Certificates: EAC, AGA

Medium P+: Air

Medium P-: Air

Electrical Connection: Terminal conn. M cable gland

Enclosure Protection Rate: IP54

Contact Material: Gold

Mechanical Connection P+: Hose barb (4.6 mm)

Mechanical Connection P-: Hose barb (4.6 mm)

Max. Inlet Pressure/Rated MOP: 10 kPa

KS…A2-7

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
KS 150 A2-7 Au-M-V9 fa-se Pa CE 1P	0,02	0,15	257842
KS 300 A2-7 Au-M-V9 fa-se Pa CE 1P	0,02	0,3	257843
KS 600 A2-7 Au-M-V9 fa-se Pa CE 1P	0,03	0,6	257844
KS 1000 A2-7 Au-M-V9 st-se Pa CE 1P	0,1	1	257845

Accessories

Article designation	Order no.
Repair kit Climate set access.KS..A2-7	258247
Sp.set attachment plate (1pc.) LGW A1/A2	230301
Equipment plug, cpl. 3-pin w/o earth	231770
Wiring box GDMW 2011 DF gy 2-pin + E	210317
Repl.Set light assembly 24 V	231774
Repl.Set neon light assemb.yel 220V/50Hz	231773
Repl.Set light assembly 24 V gn	248240
Repl.Set neon light assembl.gn 220V/50Hz	248239

Automatic Shutoff and Vent Valves

DUNGS®
Combustion Controls

MVD, MVDLE
Safety Shutoff Valves

dungs.com → MVD, MVDLE



The Safety Solenoid Valves MVD, MVDLE are single-stage automatic shutoff valves for gas burners and gas appliance.
MVD Fast opening, fast closing, Main flow rate adjustable
MVDLE Slow opening, fast closing, Opening-time adjustment with rapid stroke, Main flow rate adjustable

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL, PL, ATEX, SVGW

Nominal Connection Size: DN 40, DN 50, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/2, Rp 2

Pressure rating: PN 16

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Special gas (<1%H_2S vol) dry, Air, Propane

Max. Inlet Pressure/Rated MOP: 20 kPa, 50 kPa

Opening behaviour: Fast opening < 1 s, Slow Opening

Mains Voltage: 110 VAC, 230 VAC, 24 VDC

Electrical Connection: Terminal conn. M cable gland, Terminal conn. PG cable gland, Plug (4 pin) without socket

Position feedback: CPI mountable

Enclosure Protection Rate: IP54

Further variants – on request

MVD, MVDLE

Article designation	Nominal Connection Size	Order no.
Fast opening, 230 VAC, M20 cable gland		
MVD 503/5-230VAC-EC01-IP54	Rp 3/8	305347
MVD 505/5-230VAC-EC01-IP54	Rp 1/2	305434
MVD 507/5-230VAC-EC01-IP54	Rp 3/4	305448
MVD 510/5-230VAC-EC01-IP54	Rp 1	305462
MVD 515/5-230VAC-EC01-IP54	Rp 1 1/2	305474
MVD 520/5-230VAC-EC01-IP54	Rp 2	305486
MVD 5040/5-230VAC-EC01-IP54	DN 40	305654
MVD 5050/5-230VAC-EC01-IP54	DN 50	305657
Fast opening, 230 VAC, plug connector		
MVD 503/5-230VAC-EC05-IP54	Rp 3/8	305348
MVD 505/5-230VAC-EC05-IP54	Rp 1/2	305435
MVD 507/5-230VAC-EC05-IP54	Rp 3/4	305449
MVD 510/5-230VAC-EC05-IP54	Rp 1	305463
MVD 515/5-230VAC-EC05-IP54	Rp 1 1/2	305475
MVD 520/5-230VAC-EC05-IP54	Rp 2	305487
Fast opening, 110 VAC, M20 cable gland		
MVD 503/5-110VAC-EC01-IP54	Rp 3/8	305345
MVD 505/5-110VAC-EC01-IP54	Rp 1/2	305430
MVD 507/5-110VAC-EC01-IP54	Rp 3/4	305446
MVD 510/5-110VAC-EC01-IP54	Rp 1	305459
MVD 515/5-110VAC-EC01-IP54	Rp 1 1/2	305472
MVD 520/5-110VAC-EC01-IP54	Rp 2	305484
Fast opening, 110 VAC, plug connector		
MVD 503/5-110VAC-EC05-IP54	Rp 3/8	305346
MVD 505/5-110VAC-EC05-IP54	Rp 1/2	305432
MVD 507/5-110VAC-EC05-IP54	Rp 3/4	305447
MVD 510/5-110VAC-EC05-IP54	Rp 1	305460
MVD 515/5-110VAC-EC01-IP54	Rp 1 1/2	305473
MVD 520/5-110VAC-EC05-IP54	Rp 2	305485
Fast opening, 24 VDC, M20 cable gland		
MVD 503/5-24VDC-EC01-IP54	Rp 3/8	305349
MVD 505/5-24VDC-EC01-IP54	Rp 1/2	305436
MVD 507/5-24VDC-EC01-IP54	Rp 3/4	305450
MVD 510/5-24VDC-EC01-IP54	Rp 1	305464
MVD 515/5-24VDC-EC01-IP54	Rp 1 1/2	305476
MVD 520/5-24VDC-EC01-IP54	Rp 2	305489
MVD 5050/5-24VDC-EC01-IP54	DN 50	305659

Article designation	Nominal Connection Size	Order no.
Fast opening, 24 VDC, plug connector		
MVD 503/5-24VDC-EC05-IP54	Rp 3/8	305350
MVD 505/5-24VDC-EC05-IP54	Rp 1/2	305437
MVD 507/5-24VDC-EC05-IP54	Rp 3/4	305451
MVD 510/5-24VDC-EC05-IP54	Rp 1	305465
MVD 515/5-24VDC-EC05-IP54	Rp 1 1/2	305477
MVD 520/5-24VDC-EC05-IP54	Rp 2	305490
Quick-opening, 230 VAC, PG 11 cable gland, non-ferrous metal-free		
MVD 205/5 S02 230 VAC IP 54	Rp 1/2	212279
MVD 207/5 S02 230 VAC IP 54	Rp 3/4	180480
MVD 210/5 S02 230 VAC IP 54	Rp 1	212267
MVD 215/5 S02 230 VAC IP 54	Rp 1 1/2	163050
MVD 220/5 S02 230 VAC IP 54	Rp 2	212214
MVD 2040/5 S02 230 VAC IP 54	DN 40	209533
MVD 2050/5 S02 230 VAC IP 54	DN 50	180610
Quick-opening, 230 VAC, PG 11 cable gland, non-ferrous metal-free, Viton version		
MVD 205/5 S02 Viton 230VAC IP54 B. Anz.	Rp 1/2	257011
MVD 207/5 S02 Viton 230VAC IP54 B. Anz.	Rp 3/4	257012
MVD 210/4 S02 Viton 230VAC IP54 B. Anz.	Rp 1	257013
MVD 215/4 S02 Viton 230VAC IP54 B. Anz.	Rp 1 1/2	257014
Slow opening, 230 VAC, M20 cable gland		
MVDLE 503/5-230VAC-EC01-IP54	Rp 3/8	305383
MVDLE 505/5-230VAC-EC01-IP54	Rp 1/2	305440
MVDLE 507/5-230VAC-EC01-IP54	Rp 3/4	305454
MVDLE 510/5-230VAC-EC01-IP54	Rp 1	305468
MVDLE 515/5-230VAC-EC01-IP54	Rp 1 1/2	305480
MVDLE 520/5-230VAC-EC01-IP54	Rp 2	305493
MVDLE 5040/5-230VAC-EC01-IP54	DN 40	305656
MVDLE 5050/5-230VAC-EC01-IP54	DN 50	305658
Slow opening, 230 VAC, plug connector		
MVDLE 503/5-230VAC-EC05-IP54	Rp 3/8	305384
MVDLE 505/5-230VAC-EC05-IP54	Rp 1/2	305441
MVDLE 507/5-230VAC-EC05-IP54	Rp 3/4	305456
MVDLE 510/5-230VAC-EC05-IP54	Rp 1	305469
MVDLE 515/5-230VAC-EC05-IP54	Rp 1 1/2	305481
MVDLE 520/5-230VAC-EC05-IP54	Rp 2	305494

Article designation	Nominal Connection Size	Order no.
Slow opening, 110 VAC, M20 cable gland		
MVDLE 503/5-110VAC-EC01-IP54	Rp 3/8	305381
MVDLE 505/5-110VAC-EC01-IP54	Rp 1/2	305438
MVDLE 507/5-110VAC-EC01-IP54	Rp 3/4	305452
MVDLE 510/5-110VAC-EC01-IP54	Rp 1	305466
MVDLE 515/5-110VAC-EC01-IP54	Rp 1 1/2	305478
MVDLE 520/5-110VAC-EC01-IP54	Rp 2	305491
Slow opening, 110 VAC, plug connector		
MVDLE 503/5-110VAC-EC05-IP54	Rp 3/8	305382
MVDLE 505/5-110VAC-EC05-IP54	Rp 1/2	305439
MVDLE 507/5-110VAC-EC05-IP54	Rp 3/4	305453
MVDLE 510/5-110VAC-EC05-IP54	Rp 1	305467
MVDLE 515/5-110VAC-EC05-IP54	Rp 1 1/2	305479
MVDLE 520/5-110VAC-EC05-IP54	Rp 2	305492
Slow opening, 24 VDC, M20 cable gland		
MVDLE 503/5-24VDC-EC01-IP54	Rp 3/8	305385
MVDLE 505/5-24VDC-EC01-IP54	Rp 1/2	305443
MVDLE 507/5-24VDC-EC01-IP54	Rp 3/4	305457
MVDLE 510/5-24VDC-EC01-IP54	Rp 1	305470
MVDLE 515/5-24VDC-EC01-IP54	Rp 1 1/2	305482
MVDLE 520/5-24VDC-EC01-IP54	Rp 2	305495
Slow opening, 24 VDC, plug connector		
MVDLE 503/5-24VDC-EC05-IP54	Rp 3/8	305386
MVDLE 505/5-24VDC-EC05-IP54	Rp 1/2	305444
MVDLE 507/5-24VDC-EC05-IP54	Rp 3/4	305458
MVDLE 510/5-24VDC-EC05-IP54	Rp 1	305471
MVDLE 515/5-24VDC-EC05-IP54	Rp 1 1/2	305483
MVDLE 520/5-24VDC-EC05-IP54	Rp 2	305496

Accessories

Article designation	Order no.
Set IP 54 mit Steckverb. und Leitungsd.	215733
Wiring box GDMW 3011 DF, black 3-pin	215699
End contact K01/1 IP 54	211202

DUNGS®
Combustion Controls

MV 1000
Safety Solenoid Valves

dungs.com → MV 1000



The Safety Solenoid Valves MV 1000 are single-stage automatic shutoff valves for gas burners and gas appliances.

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Nominal Connection Size: Rp 1/2, Rp 3/4

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane, Butane

Max. Inlet Pressure/Rated MOP: 100 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 230 VAC, 24 VDC

Electrical Connection: Terminal conn. PG cable gland

Enclosure Protection Rate: IP54

MV 1000

Article designation	Nominal Connection Size	Order no.
230 VAC		
MV 1005 230 VAC IP 54	Rp 1/2	246921
MV 1007 230 VAC IP 54	Rp 3/4	246922
24 – 48 VDC		
MV 1007 24-28 VDC IP 54	Rp 3/4	302805

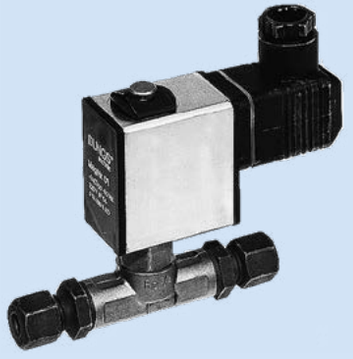
Accessories

Article designation	Order no.
Set IP 54 mit Steckverb. und Leitungsd.	215733

DUNGS®
Combustion Controls

MV 502
Ignition Gas Valves

dungs.com → MV 502



The Safety Solenoid Valves MV 50 are single-stage automatic shutoff valves for gas burners and gas appliances.

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA

Nominal Connection Size: DN 8, Rp 1/4

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane

Max. Inlet Pressure/Rated MOP: 50 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 110 VAC, 230 - 240 VAC

Electrical Connection: Plug (4 pin) with socket, Fixed/ molded cable

Enclosure Protection Rate: IP54

MV 502

Article designation	Nominal Connection Size	Order no.
MV 502 230-240 VAC IP 54plug-in term.DIN	Rp 1/4	215953
MV 502 with pipe union forD8 230 VAC	DN 8	218971
MV 502 230-240 VAC IP 54 cable l=1300 mm	Rp 1/4	218974
MV 502 with pipe union forD8 230 VAC	DN 8	218973
MV 502 230-240 VAC with cable l=3060 mm	Rp 1/4	154830
MV 502/1 230-240 VAC with plug-in conn.	Rp 1/4	225432
110 VAC		
MV 502 110 VAC m.Steckansch. DIN 436	Rp 1/4	240825

DUNGS®
Combustion Controls

ZRDLE
Two-stage Safety Solenoid Valves

dungs.com → ZRDLE



The Safety Solenoid Valves ZR are two-stage automatic shutoff valves for gas burners and gas appliances.

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Nominal Connection Size: Rp 3/4, Rp 1, Rp 1 1/2, Rp 2

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane

Max. Inlet Pressure/Rated MOP: 36 kPa

Opening behaviour: Slow Opening

Mains Voltage: 200 VAC, 230 VAC

Electrical Connection: Terminal conn. PG cable gland

Position feedback: CPI mountable

Enclosure Protection Rate: IP54

ZRDLE

Article designation	Nominal Connection Size	Order no.
230 VAC		
ZRDLE 407/5 230 VAC IP 54	Rp 3/4	153820
ZRDLE 410/5 230 VAC IP 54	Rp 1	153840
ZRDLE 415/5 230 VAC IP 54	Rp 1 1/2	153860
ZRDLE 420/5 230 VAC IP 54	Rp 2	153880
200 VAC		
ZRDLE 407/5 200 VAC	Rp 3/4	209813
ZRDLE 410/5 200 VAC	Rp 1	209814
ZRDLE 415/5 200 VAC	Rp 1 1/2	209815
ZRDLE 420/5 200 VAC	Rp 2	209816

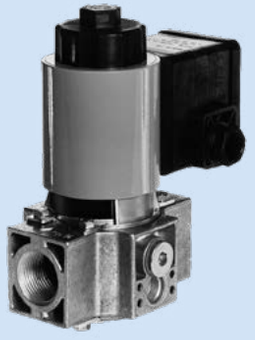
Accessories

Article designation	Order no.
End contact K01/1 IP 54	211202

DUNGS®
Combustion Controls

LGV
Vent Gas Solenoid Valves

dungs.com → LGV



The Vent Gas Solenoid Valves LGV are normally open, automatic pressure relief valves for gas burners and gas appliances.

Product Function: Normally open

Approvals/Certificates: CE, CSA, EAC, AGA, UKCA, UA, SIL

Nominal Connection Size: Rp 3/4

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane

Max. Inlet Pressure/Rated MOP: 50 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 110 VAC, 230 VAC, 24 - 28 VDC

Electrical Connection: Terminal conn. PG cable gland

Position feedback: CPI mountable

Enclosure Protection Rate: IP54, IP65

LGV

Article designation	Nominal Connection Size	Order no.
230 VAC		
LGV 507/5 S02 230 VAC IP 54	Rp 3/4	119271
LGV 507/5 S02 230 VAC IP 65	Rp 3/4	208106
110 VAC		
LGV 507/5 S02 110 VAC IP 54	Rp 3/4	156630
24 VDC		
LGV 507/5 S02 24 VDC IP 65	Rp 3/4	208382

Accessories

Article designation	Order no.
Set IP 54 mit Steckverb. und Leitungsd.	215733
End contact K01/1 IP 54	211202

DUNGS®
Combustion Controls

LV-D
Solenoid Valves for Air

dungs.com → LV-D



The Air Solenoid Valves LV-D are single-stage automatic shutoff valves for cold-air operation in industrial burners.

Product Function: Normally closed

Approvals/Certificates: EAC

Nominal Connection Size: Rp 1, Rp 1 1/2, Rp 2, Rp 2 1/2

Medium: Air

Max. Inlet Pressure/Rated MOP: 20 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 230 VAC

Electrical Connection: Terminal conn. PG cable gland

Position feedback: CPI mountable

Enclosure Protection Rate: IP54

LV-D

Article designation	Nominal Connection Size	Order no.
LV-D 210/4 230 VAC IP 54	Rp 1	256437
LV-D 215/4 230 VAC IP 54	Rp 1 1/2	256861
LV-D 220/5 230 VAC IP 54	Rp 2	257036
LV-D 225/5 230 VAC IP 54	Rp 2 1/2	257037

Accessories

Article designation	Order no.
Set IP 54 mit Steckverb. und Leitungsd.	215733
End contact K01/1 IP 54	211202

DUNGS®
Combustion Controls

EPV
Electro-Pneumatic Valves

dungs.com → EPV



The Electro-Pneumatic Valves EPV are coaxial valves operated with electro pneumatic auxiliary energy (5/2-way valve).

Product Function: Normally closed, Normally open

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane

Approvals/Certificates: CE, ATEX

Nominal Connection Size: DN 25, DN 50, DN 80, DN 100

Pressure rating: PN 16

Max. Inlet Pressure/Rated MOP: 1600 kPa

Mains Voltage: 24 VDC

Electrical Connection: Terminal conn. M cable gland

Enclosure Protection Rate: IP65

Opening behaviour: Fast opening < 1 s

Material Housing: Aluminum machined, Steel zinc plated

Limit switch: Standard inductive PNP 24 VDC, Inductive Namur 9 VDC

EPV

Article designation	Nominal Connection Size	Order no.
Normally open, steel version		
EPV 16025 NO PNP 24 VDC ST	DN 25	295948
EPV 16025 NO Namur 24 VDC ST	DN 25	295949
Normally open, aluminium version		
EPV 16025 NO PNP 24 VDC AL	DN 25	295960
EPV 16025 NO Namur 24 VDC AL	DN 25	295961
Normally open, steel version, limit switch: PNP		
EPV 16025 NC PNP 24 VDC ST	DN 25	295950
EPV 16050 NC PNP 24 VDC ST	DN 50	295954
EPV 16080 NC PNP 24 VDC ST	DN 80	295956
EPV 16100 NC PNP 24 VDC ST	DN 100	295958
Normally open, steel version, limit switch: Namur		
EPV 16025 NC Namur 24 VDC ST	DN 25	295951
EPV 16050 NC Namur 24 VDC ST	DN 50	295955
EPV 16080 NC Namur 24 VDC ST	DN 80	295957
EPV 16100 NC Namur 24 VDC ST	DN 100	295959
Normally closed, aluminium version, limit switch: PNP		
EPV 16025 NC PNP 24 VDC AL	DN 25	295962
EPV 16050 NC PNP 24 VDC AL	DN 50	295964
EPV 16080 NC PNP 24 VDC AL	DN 80	295966
EPV 16100 NC PNP 24 VDC AL	DN 100	295968
Normally closed, aluminium version, limit switch: Namur		
EPV 16025 NC Namur 24 VDC AL	DN 25	295963
EPV 16050 NC Namur 24 VDC AL	DN 50	295965
EPV 16080 NC Namur 24 VDC AL	DN 80	295967
EPV 16100 NC Namur 24 VDC AL	DN 100	295970

Accessories

Article designation	Order no.
Repl. pilot valve EPV aluminium	296722
Repl. limit switch EPV (PNP)	296725
Repl. limit switch EPV (Namur)	296726
One-way flow control valve for EPV	296727

DUNGS®
Combustion Controls

MBE-S –
afety Shutoff Valves

dungs.com → MBE-S



The DUNGS Single Shutoff Valves MBE-S combine the housing with a safety shutoff valve (Valve-Body-S) and electronic drive (ValveDrive) for actuating the safety valve and an optional pressure sensor (PS) to controll the outlet pressure.

Product Function: Constant positive pressure, Zero pressure

Product Function: Normally closed

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, UL Recognized

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Flue, exhaust, no-agress. gas, Propane

Nominal Connection Size: DN 65, DN 80, DN 100, DN 125, DN 150, ANSI 2 1/2, ANSI 3, ANSI 6

Pressure rating: PN 16, 150 lbs

Max. Inlet Pressure/Rated MOP: 70 kPa

Opening behaviour valve 1: Slow Opening

Closing behaviour valve 1: Fast closing < 1 s

Mains Voltage: 100 - 240 VAC, 24 VDC

Electrical Connection: Plug (4 pin) without socket

Dirt trap: Strainer

Number of Valves: 1

Enclosure Protection Rate: IP55

Valve Body VB

Article designation	Nominal Connection Size	Order no.
Valve Body VB		
VB-065-S	DN 65, ANSI 2 1/2	299826
VB-080-S	DN 80, ANSI 3	299827
VB-100-S	DN 100	299828
VB-125-S	DN 125	299829
VB-150-S	DN 150, ANSI 6	299830

Valve Actuator VD

Article designation	Order no.
100 – 240 VAC	
VD-V-AC	272262
VD-V-AC-POC	275358
VD-R-AC	274654
VD-R-AC-POC	275361
24 VDC	
VD-V-DC	275359
VD-V-DC-POC	275360
VD-R-DC	275362
VD-R-DC-POC	275363

Pressure sensor PS to detect outlet pressure

Article designation	Outlet pressure range min. [kPa]	Outlet pressure range max. [kPa]	Order no.
Pressure sensor PS to detect outlet pressure			
PS-0	-0,5	0,5	275265
PS-10/40	0,4	10	275263
PS-50/200	2	50	275264

Sets

Article designation	Order no.
VD-R-AC Set 0	290480
VD-R-AC Set 10/40	279299
VD-R-AC Set 50/200	279300
VD-R-AC Set GW 10/40	292184
VD-R-AC Set GW 50/200	292187

Accessories

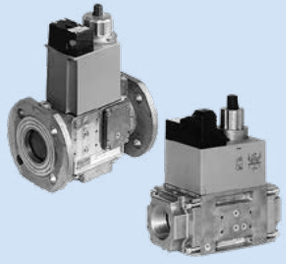
Article designation	Order no.
Bus-cable 1,5 m, sensor cable	276911
MBE-SD Manual Flow Adjustment	300136
Cable socket 3-pin + PE black	210319
Cable socket 3-pin + PE grey	210318

Double Valves

DUNGS®
Combustion Controls

DMV-D(LE)/11
Double solenoid valves

dungs.com → DMV-D(LE)/11



The DMV double solenoid valves combine two single-stage, automatic shut-off valves in a compact unit for gas burners and gas appliances.

Product Function: Normally closed

Approvals/Certificates: CE, CSA, FM, EAC, AGA, UKCA, UA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 40, DN 50, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Max. Inlet Pressure/Rated MOP: 50 kPa

Opening behaviour valve 1: Fast opening < 1 s

Opening behaviour valve 2: Fast opening < 1 s, Slow Opening

Flow adjustment: Yes

Dirt trap: Strainer

Mains Voltage: 110 VAC, 110 - 120 VAC, 220 - 240 VAC, 230 VAC, 12 VDC, 24 VDC, 24 - 28 VDC

Electrical Connection: Plug (4 pin) without socket

Enclosure Protection Rate: IP54

Closing behaviour valve 1: Fast closing < 1 s

Closing behaviour valve 2: Fast closing < 1 s

DMV-D(LE)/11 with interchangeable connection flanges

Article designation	Order no.
220–240 VAC, fast-opening	
DMV-D 503/11 AC 230 V IP 54 plug-in	222326
DMV-D 507/11 AC 230 V IP 54 plug-in	222331
DMV-D 512/11 AC 230 V IP 54 plug-in	222336
DMV-D 520/11 AC 230 V IP54plug-in term	221924
DMV-D 525/11 eco AC 230V IP 54	256151
220–240 VAC, slow-opening	
DMV-DLE 503/11 AC 230 V IP 54 plug-	222327
DMV-DLE 507/11 AC 230 V IP54 plug-in	222332
DMV-DLE 512/11 AC 230 V IP54 plug-in	222337
DMV-DLE 520/11 AC 230 V IP54 plug-in	222599
DMV-DLE 525/11 eco AC 230V IP 54	256172
110 – 120 VAC, fast-opening	
DMV-D 503/11 110-120VAC IP 54 plug-in te	222872
DMV-D 507/11 AC 110-120 V IP 54 plug-in	222873
DMV-D 512/11 AC 110-120 V IP 54 plug-in	222826
DMV-D 520/11 110-120VAC IP54 plug-in ter	222823
DMV-D 525/11 eco AC 110V IP 54	256206
110 – 120 VAC, slow-opening	
DMV-DLE 503/11AC 110-120 V IP 54 plug-in	222881
DMV-DLE 507/11 AC 110-120V IP54 plug-in	222878
DMV-DLE 512/11AC110-120VIP54plug-in term	222882
DMV-DLE 520/11AC110-120VIP54plug-in term	222889
DMV-DLE 525/11 eco AC 110V IP 54	256208
24–48 VDC, fast-opening	
DMV-D 503/11 24 VDC IP 54 Steck-Ans	222871
DMV-D 507/11 DC 24 V IP 54 Steck-Ans	222875
DMV-D 512/11 DC 24- 28 V IP 54 Steck-Ans	222828
DMV-D 520/11 DC 24 V IP 54 Steck-Ans	222825
24–48 VDC, slow-opening	
DMV-DLE 507/11 DC 24 V IP 54 plug	222876
DMV-DLE 512/11 DC 24- 28 V IP 54 Steck-A	222884
DMV-DLE 520/11 DC 24 V IP 54 Steck-A	222890
12 VDC	
DMV-D 503/11 DC 12 V IP 54 plug-in term.	228147
DMV-DLE 503/11 DC 12 V IP 54 Steck-Ansch	228146
Viton seals, 220–240 VAC, fast-opening	
DMV-D 507/11 AC 230 V IP 54 Viton	242074
DMV-D 512/11 AC 230 V IP 54 Viton	271532

DMV-D(LE)/11 with fixed flange connections

Article designation	Nominal Connection Size	Order no.
220–240 VAC, fast-opening		
DMV-D 5040/11 AC 230 V IP 54 plug-in	DN 40	224380
DMV-D 5050/11 AC 230 V IP 54 plug-in	DN 50	224381
220–240 VAC, slow-opening		
DMV-DLE 5040/11 AC 230 V IP 54 Steck	DN 40	224923
DMV-DLE 5050/11 AC 230 V IP 54 Steck	DN 50	224924
110 – 120 VAC, fast-opening		
DMV-D 5040/11 AC 110-120 V IP 54 plug-in	DN 40	226061
DMV-D 5050/11 AC 110-120 V IP 54 plug-in	DN 50	226064
110 – 120 VAC, slow-opening		
DMV-DLE 5050/11 AC110-120 V IP54 plug-in	DN 50	226118
24–48 VDC, fast-opening		
DMV-D 5040/11 24 VDC IP54 plug-in ter.	DN 40	226063
DMV-D 5050/11DC 24 V IP 54plug-in term	DN 50	226066
24–48 VDC, slow-opening		
DMV-DLE 5040/11 DC 24 V IP 54 plug-in	DN 40	226117
DMV-DLE 5050/11 24 VDC IP54 plug-in te	DN 50	226120

Accessories

Article designation	Order no.
Connection flanges for DMV-D(LE) 503/11, locking screw	
Flange cpl. Rp 3/8, VS, DMV 503/11	217471
Flange cpl. Rp 1/2, VS, DMV 503/11	217472
Connection flanges for DMV-D(LE) 507/11, locking screw	
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, VS, DMV 507/11	222001
Flansch kpl. Rp 1 1/4, MS, DMV 507/11	241958
Connection flanges for DMV-D(LE) 512/11 / DMV-D(LE) 520/11, locking screw	
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, VS, MB/DMV 415-520	221926
Connection flanges for DMV-D(LE) 525/11, locking screw	
Flansch kpl. Rp 1 1/2, VS, DMV 525/11	246613
Flange Rp 2, VS, DMV 525/11	215384
Connection flanges for DMV-D(LE) 507/11, pressure test nipple	
Flange Rp 1/2, MS, DMV 507/11	241953
Flange Rp3/4, MS, DMV 507	231230
Flange Rp 1, MS, DMV 507	231231

Article designation	Order no.
Connection flanges for DMV-D(LE) 512/11 / DMV-D(LE) 520/11, pressure test nipple	
Flansch Rp 1 MS, DMV 512/11	241956
Flange Rp1 1/4 MS	231232
Flange Rp 1 1/2, MS, MB 415	225528
Flange Rp 2, MS, MB/DMV 415-520	225532
Connection flanges for DMV-D(LE) 525/11, pressure test nipple	
Flange cpl. Rp 1 1/2, MS	253864
Flange Rp 2, MS, MB-VEF 425 B01	225531
Other accessories	
Ignition gas flange G 1/2 cpl. set- DMV	219007
Ignition gas flange G 3/4 cpl. set- DMV	219006
Adapter set for leak test, test burner	212887
Adapter set MB and DMV	216675
Cable socket 3-pin + PE black	210319
End contact K01/1 IP 54	211202

GasMultiBloc® Multifunctional Gas Controls

DUNGS®
Combustion Controls

MBC
GasMultiBloc® Multifunctional gas control

dungs.com → MBC



The GasMultiBloc® MBC offers filter, valves, regulator and pressure switch in one compact unit.
Product Function: Constant positive pressure, Zero pressure, Proportional regulator
Product Function: Normally closed
Approvals/Certificates: CE, EAC, AGA, UKCA, UA
Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas, Propane
Nominal Connection Size: Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2
Max. Inlet Pressure/Rated MOP: 6,5 kPa, 10 kPa, 20 kPa, 36 kPa
Ratio setting range V: 0,4:1 - 3:1
Opening behaviour valve 1: Fast opening < 1 s
Closing behaviour valve 1: Fast closing < 1 s
Opening behaviour valve 2: Fast opening < 1 s, Slow Opening
Closing behaviour valve 2: Fast closing < 1 s
Mains Voltage: 230 VAC
Electrical Connection: Plug (4 pin) without socket
Pressure sensing device: GW 150 A5
Dirt trap: Strainer
Enclosure Protection Rate: IP54

MBC

Article designation	Outlet pressure range max. [kPa]	Order no.
Rp 1/2		
MBC-65-DLE-S20 m.GW A5 230V AC	1,5	232620
MBC-65-DLE-S40 m.GW A5 230V AC	3,7	242320
MBC-65-ND S00 AC 230 V	0	251195
Rp 3/4		
MBC-120-DLE-S20 IP 54 AC 230 V	1,5	246456
MBC-120-DLE-S40 IP 54 AC 230 V	3,7	245875
MBC-120-ND-FL AC 230V	0	251849
MBC-120-WND-150 AC 230V	0	248459
Rp 1		
MBC-300-SE-S02 AC 230 V	0	261649
MBC-300-SE-S22 AC 230 V	2	239717
MBC-300-SE-S82 AC 230 V	8	231961
MBC-300-VEF AC 230 V	0	261653
MBC-300-WND		on request
Rp 1 1/2		
MBC-700-SE-S02 230V AC o.Zub.	0	261667
MBC-700-SE-S22 AC 230 V	2	250281
MBC-700-SE-S82 AC 230 V	8	261652
MBC-700-VEF AC 230 V	0	261654
MBC-700-WND	0	269696
Rp 2		
MBC-1200-SE-S02 ext. AC 230V	0	256623
MBC-1200-SE-S22 AC 230 V	2	245623
MBC-1200-SE-S82 AC 230 V	8	243408
MBC-1200-SE-S302 AC 230 V	30	243409
MBC-1200-VEF AC 230 V	0	243413

Connection flanges

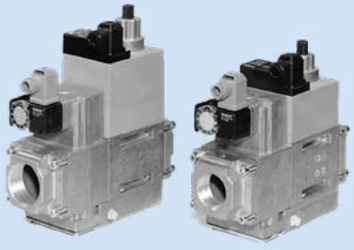
Article designation	Order no.
MB	
Flange Rp 3/8, VS, MB 403/053	147670
Flange Rp 1/2, MS, MB 403/053	170260
Flange Rp 1/2, MS, MB-D 405/407	171690
Flange Rp 1/2, MB-D 405/407 w/o G1/8	134300
Flange Rp 3/4, MS, MB-D 405/407	171700
Flange Rp 3/4, MB-D 405/407 w/o G1/8	134310
Flange Rp 3/4, VS, MB-D 410/412	134920
Flange Rp 1, MS, MB-D 410/412	171720
Flange Rp 1, MB-D 410/412 w/o G1/8	134930
Flange Rp 1 1/4, MS, MB-D 410/412	171730
Flange Rp 1 1/4, MB-D 410/412 w/o G1/8	134940
Flansch Rp 1 MS, DMV 512/11	241956
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp1 1/4 MS	231232
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, MS, MB 415	225528
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, MS, MB/DMV 415-520	225532
Flange Rp 2, VS, MB/DMV 415-520	221926
Flange Rp 2, MS, MB-VEF 425 B01	225531
Flange Rp 2, VS, DMV 525/11	215384
MBC, DMV	
Flange compl. RP 3/8 straight	239283
GW-Flange outlet cpl. Rp 1/8"	245372
Flange MBC-65 with GW 150 A5	245371
Flange Rp 3/4, MS, MBC-120	246360
Flange Rp 3/4, MBC-120 VS	248915
Flange Rp 3/4, GW, MBC-120	246364
Flange Rp 1/2, MS, DMV 507/11	241953
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp3/4, MS, DMV 507	231230
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, MS, DMV 507	231231
Flange Rp 1, VS, DMV 507/11	222001
Flange Rp 1 1/4 SV 512	240506
MB-VEF	
Impulse flange set MB-VEF 407	227507
Impulse flange set MB-VEF 412	227516
Impulse flange set MB-VEF 415,DMV-SE 512	227517
Impulse flange set MB-VEF 420,DMV-SE 520	228140
Impulse flange set MB-VEF 425,DMV-SE 525	227518

Article designation	Order no.
MBC	
Repl.Set Shutter cpl. 300 Rp1	255130
Repl.Set Shutter cpl. 700 Rp1	256793
Repl.Set Shutter cpl. 700 Rp1 1/2	255131
Repl.Set Shutter cpl. 1000/6 NPT 1	255132
Repl.Set Shutter cpl. 2500/6 NPT 1	256791
Repl.Set Shutter cpl. 2500/6 NPT1 1/2	255133
Shutter 1½" / 2"	306508
Other accessories	
Cable socket 3-pin + PE black	210319
End contact K01/1 IP 54	211202
Filtergehäuse kpl.+Schr. Vorbauf. 507	232440
Kit Orifices VEF/SE Ø 0,2-0,7	238434

DUNGS®
Combustion Controls

MBC
GasMultiBloc® One-stage operation

dungs.com → MB-B



The GasMultiBloc® MB-B integrates a filter, regulator, valves and a minimum PSD into a single compact unit.

Product Function: Constant positive pressure

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Flue, exhaust, no-agress. gas, Propane

Nominal Connection Size: Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Max. Inlet Pressure/Rated MOP: 20 kPa, 36 kPa

Opening behaviour valve 1: Fast opening < 1 s

Closing behaviour valve 1: Fast closing < 1 s

Opening behaviour valve 2: Slow Opening

Closing behaviour valve 2: Fast closing < 1 s

Mains Voltage: 230 VAC

Electrical Connection: Plug (4 pin) without socket

Pressure sensing device: GW 150 A5, GW 50 A5

Dirt trap: Strainer, Strainer/Filter pad

Enclosure Protection Rate: IP54

MB-B

Article designation	Outlet pressure range max. [kPa]	Order no.
Rp 1/2		
MB-DLE 403 B01 S20 AC230V with NF withGW	2	226568
MB-DLE 403 B01 S50 AC230V FS GW50A5	5	226783
MB-DLE 405 B01 S20 AC230V with NF withGW	2	226560
MB-DLE 405 B01 S22 AC230V sep. NF withGW	2	225006
MB-DLE 405 B01 S50 AC230V with NF withGW	5	226875
Rp 3/4		
MB-DLE 407 B01 S20 AC230V with NF withGW	2	226561
MB-DLE 407 B01 S22 AC230V sep. NF w GW	2	225015
MB-DLE 407 B01 S50 AC230V FS GW150A5	5	226874
MB-DLE 407 B01 S52 AC230V sep. NF withGW	5	225230
MB-DLE 407 B07 S22 AC230V sep. S with GW	2	225648
Rp 1		
MB-DLE 410 B01 S20 AC230V FS GW150A5	2	226562
MB-DLE 410 B01 S22 AC230V FS GW150A5	2	225008
MB-DLE 410 B01 S50 AC230V FS GW150A5	5	226873
MB-DLE 410 B01 S52 AC230V FS GW150A5	5	225928
Rp 1 1/4		
MB-DLE 412 B01 S20 AC230V FS GW150 A5	2	226563
MB-DLE 412 B01 S22 AC230V FS GW150A5	2	225009
MB-DLE 412 B01 S50 AC230V FS GW150A5	5	226872
MB-DLE 412 B01 S52 AC230V FS GW150A5	5	245836
MB-DLE 412 B07 S22 AC230V FS GW150A5	2	225650
Rp 1 1/2		
MB-DLE 415 B01 S20 AC230V withVF with GW	2	226799
MB-DLE 415 B01 S22 AC230V VF with GW	2	226800
MB-DLE 415 B01 S50 AC230V withVF with GW	5	226801
MB-DLE 415 B01 S52 AC230V withVF with GW	5	226802
Rp 2		
MB-DLE 420 B01 S20 AC230V withVF with GW	2	226803
MB-DLE 420 B01 S22 AC230V VF withGW	2	226804
MB-DLE 420 B01 S50 AC230V withVF with GW	5	226805
MB-DLE 420 B01 S52 AC230V withVF with GW	5	226806

Connection flanges

Article designation	Order no.
MB	
Flange Rp 3/8, VS, MB 403/053	147670
Flange Rp 1/2, MS, MB 403/053	170260
Flange Rp 1/2, MS, MB-D 405/407	171690
Flange Rp 1/2, MB-D 405/407 w/o G1/8	134300
Flange Rp 3/4, MS, MB-D 405/407	171700
Flange Rp 3/4, MB-D 405/407 w/o G1/8	134310
Flange Rp 3/4, VS, MB-D 410/412	134920
Flange Rp 1, MS, MB-D 410/412	171720
Flange Rp 1, MB-D 410/412 w/o G1/8	134930
Flange Rp 1 1/4, MS, MB-D 410/412	171730
Flange Rp 1 1/4, MB-D 410/412 w/o G1/8	134940
Flansch Rp 1 MS, DMV 512/11	241956
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp1 1/4 MS	231232
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, MS, MB 415	225528
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, MS, MB/DMV 415-520	225532
Flange Rp 2, VS, MB/DMV 415-520	221926
Flange Rp 2, MS, MB-VEF 425 B01	225531
Flange Rp 2, VS, DMV 525/11	215384
MBC, DMV	
Flange compl. RP 3/8 straight	239283
GW-Flange outlet cpl. Rp 1/8"	245372
Flange MBC-65 with GW 150 A5	245371
Flange Rp 3/4, MS, MBC-120	246360
Flange Rp 3/4, MBC-120 VS	248915
Flange Rp 3/4, GW, MBC-120	246364
Flange Rp 1/2, MS, DMV 507/11	241953
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp3/4, MS, DMV 507	231230
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, MS, DMV 507	231231
Flange Rp 1, VS, DMV 507/11	222001
Flange Rp 1 1/4 SV 512	240506
MB-VEF	
Impulse flange set MB-VEF 407	227507
Impulse flange set MB-VEF 412	227516
Impulse flange set MB-VEF 415,DMV-SE 512	227517
Impulse flange set MB-VEF 420,DMV-SE 520	228140
Impulse flange set MB-VEF 425,DMV-SE 525	227518

Article designation	Order no.
MBC	
Repl.Set Shutter cpl. 300 Rp1	255130
Repl.Set Shutter cpl. 700 Rp1	256793
Repl.Set Shutter cpl. 700 Rp1 1/2	255131
Repl.Set Shutter cpl. 1000/6 NPT 1	255132
Repl.Set Shutter cpl. 2500/6 NPT 1	256791
Repl.Set Shutter cpl. 2500/6 NPT1 1/2	255133
Shutter 1½" / 2"	306508
Other accessories	
Cable socket 3-pin + PE black	210319
End contact K01/1 IP 54	211202
Filtergehäuse kpl.+Schr. Vorbauf. 507	232440
Kit Orifices VEF/SE Ø 0,2-0,7	238434

DUNGS®
Combustion Controls

MB-ZRD(LE)
GasMultiBloc® Two-stage function

dungs.com → MB-ZRD(LE)



The GasMultiBloc® MB-ZRD(LE) integrates filter, regulator, valves and pressure switches in one compact fitting.

Product Function: Constant positive pressure

Product Function: Normally closed, 2-stage opening

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Flue, exhaust, no-agress. gas, Propane

Nominal Connection Size: Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Max. Inlet Pressure/Rated MOP: 36 kPa

Opening behaviour valve 1: Fast opening < 1 s

Closing behaviour valve 1: Fast closing < 1 s

Opening behaviour valve 2: Two-stage slow opening

Closing behaviour valve 2: Fast closing < 1 s

Mains Voltage: 200 VAC, 230 VAC

Electrical Connection: Plug (4 pin) without socket

Pressure sensing device: GW 150 A5, GW 50 A5

Dirt trap: Strainer, Strainer/Filter pad

Enclosure Protection Rate: IP54

MB-ZRD

Article designation	Outlet pressure range max. [kPa]	Order no.
Rp 1/2		
MB-ZRDLE 405 B01 S20 AC230V w. GW	2	226552
MB-ZRDLE 405 B01 S50 AC230V w. GW	5	226871
Rp 3/4		
MB-ZRDLE 407 B01 S20 AC230V w GW	2	226553
MB-ZRDLE 407 B01 S50 AC230V withNFwithGW	5	226870
MB-ZRDLE 407 B01 S52 AC230V sep.NFwithGW	5	225229
MB-ZRDLE 407 B07 S22 AC230V sep.s. GW	2	198350
Rp 1		
MB-ZRDLE 410 B01 S20 AC230V FS GW150A5	2	226554
MB-ZRDLE 410 B01 S22 AC230V FS GW50A5	2	230521
MB-ZRDLE 410 B01 S50 AC230V FS GW150A5	5	226869
MB-ZRDLE 410 B01 S52 AC230V FS GW150A5	5	226169
Rp 1 1/4		
MB-ZRDLE 412 B01 S20 AC230V FS GW150A5	2	226555
MB-ZRDLE 412 B01 S22 AC230V FS GW50A5	2	230520
MB-ZRDLE 412 B01 S50 AC230V FS GW150A5	5	226868
MB-ZRDLE 412 B01 S52 AC230V FS GW150A5	5	226170
MB-ZRDLE 412 B07 S22 AC230V FS GW150A5	2	182050
Rp 1 1/2		
MB-ZRDLE 415 B01 S20 AC230V withVFwithGW	2	226807
MB-ZRDLE 415 B01 S22 AC230V withVFwithGW	2	226808
MB-ZRDLE 415 B01 S50 Ac230V withVFwithGW	5	226809
MB-ZRDLE 415 B01 S52 AC230V withVFwithGW	5	226810
Rp 2		
MB-ZRDLE 420 B01 S20 AC230V withVFwithGW	2	226811
MB-ZRDLE 420 B01 S22 AC230V sep.VFwithGW	2	226812
MB-ZRDLE 420 B01 S50 AC230V withVFwithGW	5	226813
MB-ZRDLE 420 B01 S52 AC230V sep.VFwithGW	5	226814

Connection flanges

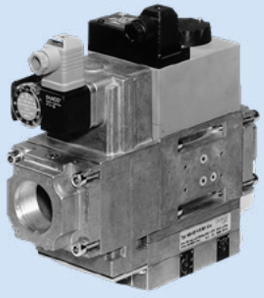
Article designation	Order no.
MB	
Flange Rp 3/8, VS, MB 403/053	147670
Flange Rp 1/2, MS, MB 403/053	170260
Flange Rp 1/2, MS, MB-D 405/407	171690
Flange Rp 1/2, MB-D 405/407 w/o G1/8	134300
Flange Rp 3/4, MS, MB-D 405/407	171700
Flange Rp 3/4, MB-D 405/407 w/o G1/8	134310
Flange Rp 3/4, VS, MB-D 410/412	134920
Flange Rp 1, MS, MB-D 410/412	171720
Flange Rp 1, MB-D 410/412 w/o G1/8	134930
Flange Rp 1 1/4, MS, MB-D 410/412	171730
Flange Rp 1 1/4, MB-D 410/412 w/o G1/8	134940
Flansch Rp 1 MS, DMV 512/11	241956
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp1 1/4 MS	231232
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, MS, MB 415	225528
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, MS, MB/DMV 415-520	225532
Flange Rp 2, VS, MB/DMV 415-520	221926
Flange Rp 2, MS, MB-VEF 425 B01	225531
Flange Rp 2, VS, DMV 525/11	215384
MBC, DMV	
Flange compl. RP 3/8 straight	239283
GW-Flange outlet cpl. Rp 1/8"	245372
Flange MBC-65 with GW 150 A5	245371
Flange Rp 3/4, MS, MBC-120	246360
Flange Rp 3/4, MBC-120 VS	248915
Flange Rp 3/4, GW, MBC-120	246364
Flange Rp 1/2, MS, DMV 507/11	241953
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp3/4, MS, DMV 507	231230
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, MS, DMV 507	231231
Flange Rp 1, VS, DMV 507/11	222001
Flange Rp 1 1/4 SV 512	240506
MB-VEF	
Impulse flange set MB-VEF 407	227507
Impulse flange set MB-VEF 412	227516
Impulse flange set MB-VEF 415,DMV-SE 512	227517
Impulse flange set MB-VEF 420,DMV-SE 520	228140
Impulse flange set MB-VEF 425,DMV-SE 525	227518

Article designation	Order no.
MBC	
Repl.Set Shutter cpl. 300 Rp1	255130
Repl.Set Shutter cpl. 700 Rp1	256793
Repl.Set Shutter cpl. 700 Rp1 1/2	255131
Repl.Set Shutter cpl. 1000/6 NPT 1	255132
Repl.Set Shutter cpl. 2500/6 NPT 1	256791
Repl.Set Shutter cpl. 2500/6 NPT1 1/2	255133
Shutter 1½" / 2"	306508
Other accessories	
Cable socket 3-pin + PE black	210319
End contact K01/1 IP 54	211202
Filtergehäuse kpl.+Schr. Vorbauf. 507	232440
Kit Orifices VEF/SE Ø 0,2-0,7	238434

DUNGS®
Combustion Controls

MB-VEF
GasMultiBloc® Gas-air-ratio control

dungs.com → MB-VEF



The GasMultiBloc® MB-VEF integrates filter, gas-air ratio controls, valves and pressure switches in one compact fitting.

Product Function: Proportional regulator

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Flue, exhaust, no-agress. gas, Propane

Nominal Connection Size: Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Max. Inlet Pressure/Rated MOP: 36 kPa

Ratio setting range V: 0,75:1 - 3:1

Opening behaviour valve 1: Fast opening < 1 s

Closing behaviour valve 1: Fast closing < 1 s

Opening behaviour valve 2: Fast opening < 1 s

Closing behaviour valve 2: Fast closing < 1 s

Mains Voltage: 230 VAC

Electrical Connection: Plug (4 pin) without socket

Pressure sensing device: GW 150 A5

Dirt trap: Strainer, Strainer/Filter pad

Enclosure Protection Rate: IP54

MB-VEF

Article designation	Order no.
Rp 3/4	
MB-VEF 407 B01 S12 AC230V	247315
MB-VEF 407 B01 S32 AC230V getr. NF GW A5	241117
Rp 1 1/4	
MB-VEF 412 B01 S12 AC230V FS GW150A5	247322
MB-VEF 412 B01 S32 AC230V FS GW150A5	239076
Rp 1 1/2	
MB-VEF 415 B01 S12 AC230V VF GW150A5	247323
MB-VEF 415 B01 S32 AC230V VF GW150A5	250691
Rp 2	
MB-VEF 420 B01 S12 AC230V gem. NF m.GW	247324
MB-VEF 420 B01 S32 AC230V getr. NF m.GW	239077
Rp 2 1/2	
MB-VEF 425 B01 S12 AC230V getr. S o.GW	240296
MB-VEF 425 B01 S32 AC230V getr. S	239078

Connection flanges

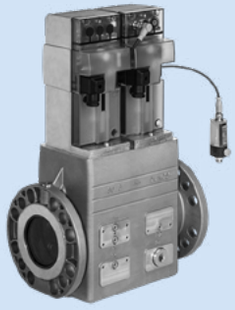
Article designation	Order no.
MB	
Flange Rp 3/8, VS, MB 403/053	147670
Flange Rp 1/2, MS, MB 403/053	170260
Flange Rp 1/2, MS, MB-D 405/407	171690
Flange Rp 1/2, MB-D 405/407 w/o G1/8	134300
Flange Rp 3/4, MS, MB-D 405/407	171700
Flange Rp 3/4, MB-D 405/407 w/o G1/8	134310
Flange Rp 3/4, VS, MB-D 410/412	134920
Flange Rp 1, MS, MB-D 410/412	171720
Flange Rp 1, MB-D 410/412 w/o G1/8	134930
Flange Rp 1 1/4, MS, MB-D 410/412	171730
Flange Rp 1 1/4, MB-D 410/412 w/o G1/8	134940
Flansch Rp 1 MS, DMV 512/11	241956
Flange Rp 1, VS, DMV 512/11	222343
Flange Rp1 1/4 MS	231232
Flange Rp 1 1/4, VS, DMV 512/11	222344
Flange Rp 1 1/2, MS, MB 415	225528
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, MS, MB/DMV 415-520	225532
Flange Rp 2, VS, MB/DMV 415-520	221926
Flange Rp 2, MS, MB-VEF 425 B01	225531
Flange Rp 2, VS, DMV 525/11	215384

Article designation	Order no.
MBC, DMV	
Flange compl. RP 3/8 straight	239283
GW-Flange outlet cpl. Rp 1/8"	245372
Flange MBC-65 with GW 150 A5	245371
Flange Rp 3/4, MS, MBC-120	246360
Flange Rp 3/4, MBC-120 VS	248915
Flange Rp 3/4, GW, MBC-120	246364
Flange Rp 1/2, MS, DMV 507/11	241953
Flange Rp 1/2, VS, DMV 507/11	222341
Flange Rp3/4, MS, DMV 507	231230
Flange Rp 3/4,VS,DMV 507/11	222342
Flange Rp 1, MS, DMV 507	231231
Flange Rp 1, VS, DMV 507/11	222001
Flange Rp 1 1/4 SV 512	240506
MB-VEF	
Impulse flange set MB-VEF 407	227507
Impulse flange set MB-VEF 412	227516
Impulse flange set MB-VEF 415,DMV-SE 512	227517
Impulse flange set MB-VEF 420,DMV-SE 520	228140
Impulse flange set MB-VEF 425,DMV-SE 525	227518
MBC	
Repl.Set Shutter cpl. 300 Rp1	255130
Repl.Set Shutter cpl. 700 Rp1	256793
Repl.Set Shutter cpl. 700 Rp1 1/2	255131
Repl.Set Shutter cpl. 1000/6 NPT 1	255132
Repl.Set Shutter cpl. 2500/6 NPT 1	256791
Repl.Set Shutter cpl. 2500/6 NPT1 1/2	255133
Shutter 1½" / 2"	306508
Other accessories	
Cable socket 3-pin + PE black	210319
End contact K01/1 IP 54	211202
Filtergehäuse kpl.+Schr. Vorbauf. 507	232440
Kit Orifices VEF/SE Ø 0,2-0,7	238434

DUNGS®
Combustion Controls

MBE
GasMultiBloc® Multifunctional Control

dungs.com → MBE



The Multifunctional Control MBE combines the housing with two safety shutoff valves (ValveBody), two electronic drives (ValveDrive) to actuate the safety valves and an optional pressure sensor (PS) to controll the outlet pressure.

Product Function: Constant positive pressure, Zero pressure

Product Function: Normally closed

Approvals/Certificates: CE, UL, CSA, FM, EAC, AGA, UKCA, UA, UL Recognized

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Flue, exhaust, no-agress. gas, Propane

Nominal Connection Size: DN 65, DN 80, DN 100, DN 125, DN 150, Rp 1 1/2, Rp 2, NPT 1 1/2, NPT 2, ANSI 2 1/2, ANSI 3, ANSI 4, ANSI 5, ANSI 6

Pressure rating: PN 16, 150 lbs

Max. Inlet Pressure/Rated MOP: 60 kPa, 70 kPa

Opening behaviour valve 1: Slow Opening

Closing behaviour valve 1: Fast closing < 1 s

Opening behaviour valve 2: Slow Opening

Closing behaviour valve 2: Fast closing < 1 s

Mains Voltage: 100 - 240 VAC, 24 VDC

Electrical Connection: Plug (4 pin) without socket

Dirt trap: Strainer

Number of Valves: 2

Connection for Vent line: Yes, No

Enclosure Protection Rate: IP55

Valve Body VB

Article designation	Nominal Connection Size	Order no.
Without vent port		
VB-050	Rp 1 1/2, Rp 2, NPT 1 1/2, NPT 2	274846
VB-065	DN 65, ANSI 2 1/2	274659
VB-080	DN 80, ANSI 3	274661
VB-100	DN 100	274663
VB-125	DN 125	274665
VB-150	DN 150, ANSI 6	274667
With vent port		
VB-2L	Rp 1 1/2, Rp 2, NPT 1 1/2, NPT 2	274847
VB-2½L	DN 65, ANSI 2 1/2	274660
VB-3L	DN 80, ANSI 3	274662
VB-4L	ANSI 4	274664
VB-5L	ANSI 5	274666
VB-6L	DN 150, ANSI 6	274668

Valve Actuator VD

Article designation	Order no.
100 – 240 VAC	
VD-V-AC	272262
VD-V-AC-POC	275358
VD-R-AC	274654
VD-R-AC-POC	275361
24 VDC	
VD-V-DC	275359
VD-V-DC-POC	275360
VD-R-DC	275362
VD-R-DC-POC	275363

Pressure sensor PS to detect outlet pressure

Article designation	Outlet pressure range min. [kPa]	Outlet pressure range max. [kPa]	Order no.
Pressure sensor PS to detect outlet pressure			
PS-0	-0,5	0,5	275265
PS-10/40	0,4	10	275263
PS-50/200	2	50	275264

Sets

Article designation	Order no.
VD-R-AC Set 0	290480
VD-R-AC Set 10/40	279299
VD-R-AC Set 50/200	279300
VD-R-AC Set GW 10/40	292184
VD-R-AC Set GW 50/200	292187

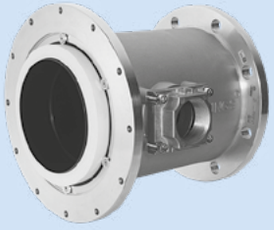
Accessories

Article designation	Order no.
Bus-cable 1,5 m, sensor cable	276911
Electr. Adapter Type A 3-Pol+PE MBE	297001
Direct Mounting Set PS RP 2"	296996
Direct Mounting Set PS NPT 2"	296997
Electr. Adapter Type A 3-Pol+PE MBE	297001
ValveDrive Config App Kit Hardware Pack.	298570
Cable socket 3-pin + PE black	210319
Cable socket 3-pin + PE grey	210318

DUNGS®
Combustion Controls

VSA
Venturi Signal Amplifier

dungs.com → VSA



The Venturi Signal Amplifier VSA for direct suction side mounting on pre-mix blower. The blower generates a negative pressure on the suction side during operation, thereby producing an air and gas volumetric flow thanks to the signal amplifier.
Rated capacity: 2000 kW / 3000 kW
Inlet pressure range: -6,0 to + 6,0 kPa (-24 "W.C. to +24 "W.C.)

VSA

Article designation	Order no.
VSA-2000	278856
VSA-3000	278857

Connection flanges

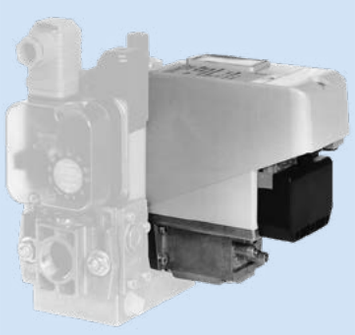
Article designation	Order no.
Flange Rp 1 1/2, VS, MB/DMV 415-520	221884
Flange Rp 2, VS, MB/DMV 415-520	221926
Flange cpl.NPT 1 1/2,VS,DMV 520/11	222003
Flange cpl. NPT 2 DMV 512-,520/11	221997

Valve Proving Systems

DUNGS®
Combustion Controls

VPS
Valve Proving Systems for Multifunctional Controls

dungs.com → VPS



The VPS 504 are compact Valve Proving Systems for direct mounting to DUNGS multifunctional controls with mounting adaper, also suitable for mounting to single valve combinations.

Operation Principle: Presure built up

Approvals/Certificates: CE, UL, EAC, AGA, UKCA, UL Recognized, GAD/GAR

Mains Voltage: 110 VAC, 120 VAC, 220 VAC, 230 VAC, 24 VDC

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 20%, Propane

Electrical Connection: Terminal conn. PG cable gland, Male plug, Screw terminals

Test Volume: < 4 litre, >4 < 8 litre

Enclosure Protection Rate: IP54, NEMA 12, IP40

VPS

Article designation	Order no.
230 VAC	
VPS 504 S01 230V 50Hz 0,85m	219874
VPS 504 S01 230V 50Hz 2,00m	219876
VPS 504 series 01 SSM 230V 50Hz 2,00m	227527
VPS 504 S02 230V 50Hz with conn.	219877
VPS 504 S02 LPG 230V 50Hz incl.Stecker	226315
VPS 504 S04 230V 50Hz Set	219881
VPS 504 S04 220V 60Hz Set	222388
VPS 504 S04 LPG 230V 50Hz	226316
110 – 120 VAC	
VPS 504 S04 110V 50Hz Set	221327
VPS 504 S04 110/120V 60Hz Set	223426
24 VDC	
VPS 504 S02 24V DC with conn.	225481
US/CA, 230 VAC	
VPS 508 S04 230V 50Hz	278451
US/CA, 110 – 120 VAC	
VPS 508 S04 110V 50Hz	251005
VPS 508 S04 120V 60Hz	304725
VPS 508 S06 120V 60Hz	304726
US/CA, 24 VDC	
VPS 508 S05 24V DC	251008
VPS 504 S05 24V DC	224983

Accessories

Article designation	Order no.
Adapter cpl. set for MV...up to Rp2 VPS	205360
Adapter-Set VPS 504 / VPS 508	222740
Adapter set VPS 504 / VPS 508 / VDK 200A	223470
Adapter-Set VPS 504	293604
Assembly kit VPS 504	221503
Ersatzteil-Set VPS 504	292210
Repl.Set plug 7-pole VPS 504 Series 02	231807

DUNGS®
Combustion Controls

VPM-VC
Valve proving modules

dungs.com → VPM-VC

apps.dungs.com → VPM-VC



The Valve Proving Modules VPM-VC for system leak test joints check the tightness of gas shut-off valves in conjunction with one or two gas pressure switches.

Operation Principle: Pressure comparison

Approvals/Certificates: CE, FM, EAC, AGA, UKCA, SIL, UL Recognized, GAD/GAR

Mains Voltage: 115 VAC, 230 VAC, 24 VDC

Enclosure Protection Rate: IP54

VPM-VC

Article designation	Order no.
VPM-VC V1.1 kpl. 230VAC	301234
VPM-VC V1.1 kpl. 115VAC	301235
VPM-VC 24VDC V1.0 cpl.	292110

Accessories

Article designation	Order no.
Connector base VPM cpl. single package	259694
Mounting Set VPM-VC 24VDC	295134
Servicebox VisionBox mini cpl. V1.0	266290

Quantometers

DUNGS®
Combustion Controls

MQM
Quantometer with mechanical counter

dungs.com → MQM

apps.dungs.com → MQM



The Quantometer MQM are turbine wheel gas meters that register the operating volume using a 8-digit mechanical counter.

Approvals/Certificates: ATEX, PED

Flow range: 1,6 - 16 bm^3/h, 2,5 - 25 bm^3/h, 4 - 40 bm^3/h, 6,5 - 65 bm^3/h, 5 - 100 bm^3/h, 8 - 160 bm^3/h, 12,5 - 250 bm^3/h, 20 - 400 bm^3/h, 32 - 650 bm^3/h, 50 - 1000 bm^3/h, 80 - 1600 bm^3/h

Max. Inlet Pressure/Rated MOP: 400 kPa, 1600 kPa

Nominal Connection Size: DN 25, DN 50, DN 80, DN 100, DN 150, Rp 1, Rp 1 1/2

Pressure rating: PN 16

Meter Size: G10, G16, G25, G40, G65, G100, G160, G250, G400, G650, G1000

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 20%, Air, Propane

Options:

HF Sensor turbine wheel

Oil pump

MQM

Article designation	Flow range	Order no.
Max. inlet pressure 400 kPa		
MQM Rp1 [1,6-16]	1,6 - 16 bm^3/h	292732
MQM Rp1 [2,5-25]	2,5 - 25 bm^3/h	292733
MQM Rp1 [4-40]	4 - 40 bm^3/h	292734
MQM Rp1 [6,5-65]	6,5 - 65 bm^3/h	292735
MQM Rp11/2 [6,5-65]	6,5 - 65 bm^3/h	292736
Max. inlet pressure 1600 kPa		
MQM DN25 [1,6-16]	1,6 - 16 bm^3/h	292737
MQM DN25 [2,5-25]	2,5 - 25 bm^3/h	292738
MQM DN25 [4-40]	4 - 40 bm^3/h	292739
MQM DN25 [6,5-65]	6,5 - 65 bm^3/h	292740
MQM DN50 [6,5-65]	6,5 - 65 bm^3/h	292741
MQM DN50 [5-100]	5 - 100 bm^3/h	292742
MQM DN80 [8-160]	8 - 160 bm^3/h	292743
MQM DN80 [12,5-250]	12,5 - 250 bm^3/h	291770
MQM DN80 [20-400]	20 - 400 bm^3/h	291879
MQM DN100 [12,5-250]	12,5 - 250 bm^3/h	292744
MQM DN100 [20-400]	20 - 400 bm^3/h	292745
MQM DN100 [32-650]	32 - 650 bm^3/h	292746
MQM DN150 [32-650]	32 - 650 bm^3/h	292747
MQM DN150 [50-1000]	50 - 1000 bm^3/h	292748
MQM DN150 [80-1600]	80 - 1600 bm^3/h	292749
Options		
HF (ext) Pulse generator located at turbine wheel - Higher frequency of measuring, allows the determination of the actual gas flow in high resolution		on request
Oil pump - For additional, manual lubrication at biogas applications		on request

Accessories

Article designation	Order no.
Thermowell MQM / MQMe (small)	300005
Thermowell MQM / MQMe (medium)	300267
Thermowell MQM / MQMe (large)	300268

DUNGS®
Combustion Controls

MQMe
Quantometer with electronic counter

dungs.com → MQMe

apps.dungs.com → MQMe



The Quantometer MQMe are turbine wheel gas meters that register the operating volume using a 9-digit electronical counter.

Approvals/Certificates: ATEX, PED

Flow range: 1,6 - 16 bm³/h, 2,5 - 25 bm³/h, 4 - 40 bm³/h, 6,5 - 65 bm³/h, 5 - 100 bm³/h, 8 - 160 bm³/h, 12,5 - 250 bm³/h, 20 - 400 bm³/h, 32 - 650 bm³/h, 50 - 1000 bm³/h, 80 - 1600 bm³/h

Max. Inlet Pressure/Rated MOP: 400 kPa, 1600 kPa

Nominal Connection Size: DN 25, DN 50, DN 80, DN 100, DN 150, Rp 1, Rp 1 1/2

Pressure rating: PN 16

Meter Size: G10, G16, G25, G40, G65, G100, G160, G250, G400, G650, G1000

Mains Voltage: 24 VDC

Electrical Connection: Fixed/ molded cable

Enclosure Protection Rate: IP65

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 20%, Air, Propane

Options:

HF Sensor turbine wheel

Oil pump

NF pulses in combination with a volume converter
HF pulses (internal) in the standard version
Volume converter with pressure and temperature sensor
RS-485
M-BUS

MQMe

Article designation	Flow range	Order no.
Max. inlet pressure 400 kPa		
MQMe Rp1 [1,6-16] 4-20	1,6 - 16 bm³/h	292764
MQMe Rp1 [2,5-25] 4-20	2,5 - 25 bm³/h	292765
MQMe Rp1 [4-40] 4-20	4 - 40 bm³/h	292766
MQMe Rp1 [6,5-65] 4-20	6,5 - 65 bm³/h	292767
MQMe Rp11/2 [6,5-65] 4-20	6,5 - 65 bm³/h	292768
Max. inlet pressure 1600 kPa		
MQMe DN25 [1,6-16] 4-20	1,6 - 16 bm³/h	292769
MQMe DN25 [2,5-25] 4-20	2,5 - 25 bm³/h	292770
MQMe DN25 [4-40] 4-20	4 - 40 bm³/h	292771
MQMe DN25 [6,5-65] 4-20	6,5 - 65 bm³/h	292772
MQMe DN50 [6,5-65] 4-20	6,5 - 65 bm³/h	292773
MQMe DN50 [5-100] 4-20	5 - 100 bm³/h	292774
MQMe DN80 [8-160] 4-20	8 - 160 bm³/h	292775
MQMe DN80 [12,5-250] 4-20	12,5 - 250 bm³/h	292776
MQMe DN80 [20-400] 4-20	20 - 400 bm³/h	292777
MQMe DN100 [12,5-250] 4-20	12,5 - 250 bm³/h	292778
MQMe DN100 [20-400] 4-20	20 - 400 bm³/h	292779
MQMe DN100 [32-650] 4-20	32 - 650 bm³/h	292780
MQMe DN150 [32-650] 4-20	32 - 650 bm³/h	292781
MQMe DN150 [50-1000] 4-20	50 - 1000 bm³/h	292782
MQMe DN150 [80-1600] 4-20	80 - 1600 bm³/h	292783
Options		
HF (ext) Pulse generator located at turbine wheel - Higher frequency of measuring, allows the determination of the actual gas flow in high resolution		on request
Oil pump - For additional, manual lubrication at biogas applications		on request
Volume corrector - Integrated with fixed values for pressure and temperature and Thermowell		on request
Volume corrector - Integrated with sensors for pressure and temperature and Thermowell		on request
RS or M-Bus interface		on request

Accessories

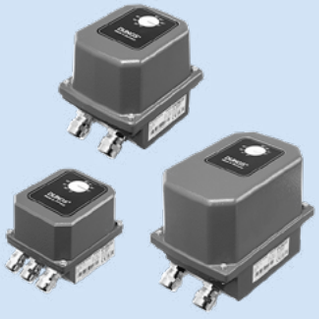
Article designation	Order no.
Thermowell MQM / MQMe (small)	300005
Thermowell MQM / MQMe (medium)	300267
Thermowell MQM / MQMe (large)	300268

Actuators, Flow Control Valves

DUNGS®
Combustion Controls

FCD
Actuators

dungs.com → FCD



The Flow Control Drive actuators are programmable, electronic actuators with 3-point step as well as analogue control.

Approvals/Certificates: CE, EAC, UKCA, RoHS, REACH II, LVD, EMC Directive

Torque max.: 3 Nm, 4 Nm, 6 Nm, 9 Nm, 12 Nm, 18 Nm, 35 Nm

Running Time Min. [s/90°]: 7,5, 12, 15, 25

Running Time Max. [s/90°]: 25, 42, 60, 90

Rotation Angle Max. [°]: 110

Resolution [Steps/90°]: 1000

Mains Voltage: 90…260 VAC, 18…30 VDC

Electrical Connection: Screw terminals

Position Control: mA, V, Three-point-step, Two-point

Position Feedback: No position feedback, mA

Number of cam switches: 2, 3

Enclosure Protection Rate: IP65

FCD

FCD...-10 with 7 x 7 mm spigot connection, FCD...-15 with 9 x 9 mm

Article designation	Torque max. [Nm]	Order no.
90 – 260 VAC		
FCD A 00-15 S4 AC	3	301620
FCD A 00-10 AC	4	293905
FCD A 00-15 S2 AC	6	301619
FCD A 01-15 S4 AC	9	301624
FCD A 00-15 AC	12	293334
FCD A 01-15 S2 AC	18	301623
FCD A 01-15 AC	35	293916
18 – 30 VDC		
FCD A 00-15 S4 DC	3	301622
FCD A 00-10 DC	4	293907
FCD A 00-15 S2 DC	6	301621
FCD A 01-15 S4 DC	9	301626
FCD A 00-15 DC	12	293911
FCD A 01-15 S2 DC	18	301625
FCD A 01-15 DC	35	293917

Accessories

Article designation	Order no.
FCD Flange plate 28 x 28 mm	297477
FCD Flange plate 38 x 28 mm	297478
FCD Shaft flange 7x7 mm, Ø8 mm	297479
FCD Shaft flange 7x7 mm, Ø10 mm	298012
FCD Shaft flange 9x9 mm, Ø8 mm	297480
FCD Shaft flange 9x9 mm, Ø10 mm	298013

DUNGS®
Combustion Controls



FCV-A
Flow control valves for air

dungs.com → FCV-A

The Flow Control Valves FCV-A for the regulation of the air supply to air-consumption devices.
Approvals/Certificates: no approval
Medium: Air, Flue, exhaust, no-agress. gas
Nominal Connection Size: DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200
Pressure rating: PN 16
Inside diameter: 25, 32, 40, 50, 65, 80, 100, 125, 150, 200
Max. Inlet Pressure/Rated MOP: 50 kPa
Max. differential pressure: 50 kPa, 25 kPa
Actuator adaptation: 9x9 mm
Medium Temperature max.: 100 °C, 450 °C

FCV-A 100

Article designation	Nominal Connection Size	Inside diameter	Order no.
Nominal connection size = internal diameter			
FCV-A 100 5040/40	DN 40	40	293944
FCV-A 100 5050/50	DN 50	50	293949
FCV-A 100 5065/65	DN 65	65	293952
FCV-A 100 5080/80	DN 80	80	293333
FCV-A 100 5100/100	DN 100	100	293957
FCV-A 100 5125/125	DN 125	125	293960
FCV-A 100 5150/150	DN 150	150	293963
FCV-A 100 5200/200	DN 200	200	293966
1-stage reduced bore			
FCV-A 100 5040/32	DN 40	32	293943
FCV-A 100 5050/40	DN 50	40	293948
FCV-A 100 5065/50	DN 65	50	293951
FCV-A 100 5080/65	DN 80	65	293954
FCV-A 100 5100/80	DN 100	80	293956
FCV-A 100 5125/100	DN 125	100	293959
FCV-A 100 5150/125	DN 150	125	293962
FCV-A 100 5200/150	DN 200	150	293965
2-fold reduced bore			
FCV-A 100 5040/25	DN 40	25	293942
FCV-A 100 5050/32	DN 50	32	293947
FCV-A 100 5065/40	DN 65	40	293950
FCV-A 100 5080/50	DN 80	50	293953
FCV-A 100 5100/65	DN 100	65	293955
FCV-A 100 5125/80	DN 125	80	293958
FCV-A 100 5150/100	DN 150	100	293961
FCV-A 100 5200/125	DN 200	125	293964

FCV-A 450

Article designation	Nominal Connection Size	Inside diameter	Order no.
Nominal connection size = internal diameter			
FCV-A 450 5040/40	DN 40	40	300549
FCV-A 450 5050/50	DN 50	50	300550
FCV-A 450 5065/65	DN 65	65	300551
FCV-A 450 5080/80	DN 80	80	300552
FCV-A 450 5100/100	DN 100	100	300553
FCV-A 450 5125/125	DN 125	125	300554
FCV-A 450 5150/150	DN 150	150	300555
FCV-A 450 5200/200	DN 200	200	300556

Accessories

Article designation	Order no.
FCV Manual lever 9x9	297283

DUNGS®
Combustion Controls

FCV-G
Flow control valves for gas

dungs.com → FCV-G



The Flow Control Valves FCV-G for the regulation of the gas supply to gas burners and gas equipment.

Approvals/Certificates: CE, UKCA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Propane

Nominal Connection Size: DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150

Pressure rating: PN 16

Inside diameter: 25, 32, 40, 50, 65, 80, 100, 125, 150

Max. Inlet Pressure/Rated MOP: 50 kPa

Max. differential pressure: 50 kPa, 25 kPa

Actuator adaptation: 9x9 mm

Medium Temperature max.: 70 °C

FCV-G

Article designation	Nominal Connection Size	Inside diameter	Order no.
Nominal connection size = internal diameter			
FCV-G 5040/40	DN 40	40	293972
FCV-G 5050/50	DN 50	50	293975
FCV-G 5065/65	DN 65	65	293978
FCV-G 5080/80	DN 80	80	293981
FCV-G 5100/100	DN 100	100	293984
FCV-G 5125/125	DN 125	125	293988
FCV-G 5150/150	DN 150	150	293991
1-stage reduced bore			
FCV-G 5040/32	DN 40	32	293971
FCV-G 5050/40	DN 50	40	293974
FCV-G 5065/50	DN 65	50	293977
FCV-G 5080/65	DN 80	65	293980
FCV-G 5100/80	DN 100	80	293983
FCV-G 5125/100	DN 125	100	293986
FCV-G 5150/125	DN 150	125	293990
2-fold reduced bore			
FCV-G 5040/25	DN 40	25	293970
FCV-G 5050/32	DN 50	32	293973
FCV-G 5065/40	DN 65	40	293976
FCV-G 5080/50	DN 80	50	293979
FCV-G 5100/65	DN 100	65	293982
FCV-G 5125/80	DN 125	80	293985
FCV-G 5150/100	DN 150	100	293989

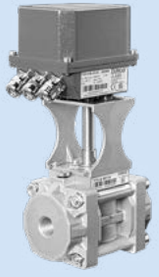
Accessories

Article designation	Order no.
FCV Manual lever 9x9	297283

DUNGS®
Combustion Controls

FCVL-G
Flow Control Valves Linear for Gas

dungs.com → FCVL-G



The Flow Control Valves Linear FCVL-G for the regulation of the gas supply to gas burners and gas equipment.

Approvals/Certificates: CE, UKCA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Propane

Max. Inlet Pressure/Rated MOP: 50 kPa

Max. differential pressure: 50 kPa

Nominal Connection Size: Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Cylinder size: 8, 15, 20, 25, 35, 40, 50

Actuator adaptation: 7x7 mm

FCVL-G

Article designation	Nominal Connection Size	Order no.
Threaded Connection		
FCVL-G 505/08	Rp 1/2	300272
FCVL-G 507/15	Rp 3/4	300273
FCVL-G 510/20	Rp 1	300274
FCVL-G 512/25	Rp 1 1/4	300275
FCVL-G 515/32	Rp 1 1/2	300276
FCVL-G 520/40	Rp 2	300277
FCVL-G 520/50	Rp 2	300278
Without Connection flanges		
FCVL-G Body /08		300931
FCVL-G Body /15		300932
FCVL-G Body /20		300933
FCVL-G Body /25		300934
FCVL-G Body /32		300935
FCVL-G Body /40		300936
FCVL-G Body /50		300937
Connection flanges		
FCVL-G Flange Rp 1/2		300940
FCVL-G Flange Rp 3/4		300941
FCVL-G Flange Rp 1		300942
FCVL-G Flange Rp 1 1/4		300943
FCVL-G Flange Rp 1 1/2		300944
FCVL-G Flange Rp 2		300945

Accessories

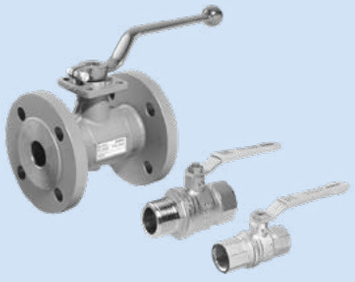
Article designation	Order no.
FCVL-G Manual Lever 7x7	301213
FCVL-G O-Ring Set	300946
FCVL-G Mounting Set	300947
FCVL-G Filter	301212
FCVL-G Adapter Spindle 9x9	301787

Ball Valves

DUNGS®
Combustion Controls

KH
Ball Valves

dungs.com → KH



The Ball Valves KH for manual shutoff and releasing of gas.

Approvals/Certificates: CE, UL, CSA, FM, AGA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas, Propane

Inlet Connection Size: DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, Rp 1/4, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2, NPT 1/4, NPT 3/8, NPT 1/2, NPT 3/4, NPT 1, NPT 1 1/4, NPT 1 1/2, NPT 2

Outlet Connection Size: DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, Rp 1/4, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2, R 1/4, R 3/8, R 1/2, R 3/4, R 1, R 1 1/4, R 1 1/2, R 2, NPT 1/4, NPT 3/8, NPT 1/2, NPT 3/4, NPT 1, NPT 1 1/4, NPT 1 1/2, NPT 2

Max. Inlet Pressure/Rated MOP: 125 PSI, 500 kPa, 1600 kPa

Options:

Heat resistance 650°C

KH

Article designation	Inlet Connection Size	Outlet Connection Size	Order no.
Internal/Internal thread			
KH 5002 II	Rp 1/4	Rp 1/4	260768
KH 5003 II	Rp 3/8	Rp 3/8	260769
KH 5005 II	Rp 1/2	Rp 1/2	260772
KH 5007 II	Rp 3/4	Rp 3/4	260773
KH 5010 II	Rp 1	Rp 1	260774
KH 5012 II	Rp 1 1/4	Rp 1 1/4	260776
KH 5015 II	Rp 1 1/2	Rp 1 1/2	260777
KH 5020 II	Rp 2	Rp 2	260778
Internal/External thread			
KH 5002 IA	Rp 1/4	R 1/4	260779
KH 5003 IA	Rp 3/8	R 3/8	260780
KH 5005 IA	Rp 1/2	R 1/2	260781
KH 5007 IA	Rp 3/4	R 3/4	260782
KH 5010 IA	Rp 1	R 1	260784
KH 5012 IA	Rp 1 1/4	R 1 1/4	260786
KH 5015 IA	Rp 1 1/2	R 1 1/2	260787
KH 5020 IA	Rp 2	R 2	260788
Flanged Connection			
KH 160025	DN 25	DN 25	238579
KH 160032	DN 32	DN 32	238580
KH 160040	DN 40	DN 40	238581
KH 160050	DN 50	DN 50	238582
KH 160065	DN 65	DN 65	238583
KH 160080	DN 80	DN 80	238584
KH 160100	DN 100	DN 100	238585
KH 160125	DN 125	DN 125	238586
KH 160150	DN 150	DN 150	238587
KH 160200	DN 200	DN 200	096818
NPT Threaded Connection			
KH 01/6-02 NPT 1/4	NPT 1/4	NPT 1/4	268443
KH 01/6-03 NPT 3/8	NPT 3/8	NPT 3/8	268444
KH 01/6-05 NPT 1/2	NPT 1/2	NPT 1/2	268445
KH 01/6-07 NPT 3/4	NPT 3/4	NPT 3/4	268446
KH 01/6-10 NPT 1	NPT 1	NPT 1	268447
KH 01/6-12 NPT 1 1/4	NPT 1 1/4	NPT 1 1/4	268449
KH 01/6-15 NPT 1 1/2	NPT 1 1/2	NPT 1 1/2	268451
KH 01/6-20 NPT 2	NPT 2	NPT 2	268452

Locking devices for KH ball valves

Article designation	Order no.
For threaded ball valves KH 50	
Locking device KH Rp 1/4-3/8	255033
Locking device KH Rp 1 1/2-2	255034
Locking device KH Rp 1/2-3/4	256002
Locking device KH Rp 1-1 1/4	264955
For flanged ball valves KH 160	
Locking device ASV, KH DN 80	264956
Locking device ASV, KH DN 40/50	270240
Locking device ASV, KH DN 25/32	294890
Locking device ASV, KH DN 65	298292
Locking device ASV, KH DN 150	298720
Locking device ASV, KH DN 100/125	304503
Locking device ASV, KH DN 200/250	309295
For ball valves with NPT thread KH 01	
Abschließvorrichtung KH NPT 1/4-1/2	311007
Abschließvorrichtung KH NPT 3/4-1 1/4	311008
Abschließvorrichtung KH NPT 1 1/2-2	311009

DUNGS®
Combustion Controls

FAV – Flow Adjusting Valve

dungs.com → FAV



The Flow Adjusting Valves FAV with threaded connection for installation in gas and air pipes to adjust volume flows.

Approvals/Certificates: CE, AGA

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Inlet Connection Size: Rp 1/4, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Outlet Connection Size: Rp 1/4, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2, R 1/4, R 3/8, R 1/2, R 3/4, R 1, R 1 1/4, R 1 1/2, R 2

Max. Inlet Pressure/Rated MOP: 500 kPa

Adjustment variant: Hand wheel, Tool-operated

FAV

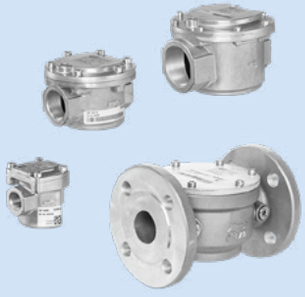
Article designation	Inlet Connection Size	Outlet Connection Size	Order no.
Internal/Internal thread			
FAV 5002 II	Rp 1/4	Rp 1/4	293785
FAV 5003 II	Rp 3/8	Rp 3/8	293786
FAV 5005 II	Rp 1/2	Rp 1/2	274356
FAV 5007 II	Rp 3/4	Rp 3/4	274357
FAV 5010 II	Rp 1	Rp 1	274358
FAV 5012 II	Rp 1 1/4	Rp 1 1/4	274359
FAV 5015 II	Rp 1 1/2	Rp 1 1/2	274360
FAV 5020 II	Rp 2	Rp 2	274361
Internal/External thread			
FAV 5002 IE	Rp 1/4	R 1/4	293787
FAV 5003 IE	Rp 3/8	R 3/8	293788
FAV 5005 IE	Rp 1/2	R 1/2	274362
FAV 5007 IE	Rp 3/4	R 3/4	274363
FAV 5010 IE	Rp 1	R 1	274364
FAV 5012 IE	Rp 1 1/4	R 1 1/4	274365
FAV 5015 IE	Rp 1 1/2	R 1 1/2	274366
FAV 5020 IE	Rp 2	R 2	274367

Filters

DUNGS®
Combustion Controls

GF
Gas and Air Filters

dungs.com → GF



The Gas and Air Filters GF with threaded or flanged connection for installation in gas and air lines to protect downstream fittings.

Approvals/Certificates: CE

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 20%, Hydrogen 25%, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 25, DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2

Filter Insert: Polypropylen

Filtration: 10 µm, 50 µm

Max. Inlet Pressure/Rated MOP: 100 kPa, 500 kPa, 600 kPa

GF

Article designation	Nominal Connection Size	Order no.
Threaded Connection, p_u max. 100 kPa, filter insert 50 µm		
GF 1005	Rp 1/2	297617
GF 1007	Rp 3/4	297473
GF 1010	Rp 1	297526
GF 1012	Rp 1 1/4	297655
GF 1015	Rp 1 1/2	296690
GF 1020	Rp 2	228192
Threaded Connection, p_u max. 500 kPa, filter insert 50 µm		
GF 5005	Rp 1/2	297658
GF 5007	Rp 3/4	297659
GF 5010	Rp 1	292555
GF 5012	Rp 1 1/4	297660
GF 5015	Rp 1 1/2	297661
GF 5020	Rp 2	297662
Flanged Connection, p_u max. 600 kPa, filter insert 50 µm		
GF 60025/50	DN 25	308459
GF 60040/50	DN 40	279853
GF 60050/50	DN 50	279854
GF 60065/50	DN 65	279855
GF 60080/50	DN 80	279856
GF 60100/50	DN 100	279857
GF 60125/50	DN 125	279858
GF 60150/50	DN 150	279859
GF 60200/50	DN 200	279860
Flanged Connection, p_u max. 600 kPa, filter insert 10 µm		
GF 60025/10	DN 25	308526
GF 60040/10	DN 40	294774
GF 60050/10	DN 50	294775
GF 60065/10	DN 65	294776
GF 60080/10	DN 80	294777
GF 60100/10	DN 100	294778
GF 60125/10	DN 125	294779
GF 60150/10	DN 150	294780

Replacement filter elements

Article designation	Order no.
For filters with threaded connections, 50 µm	
Repl.filter insert GF Rp 1/2 Rp 3/4(5pk)	298174
Repl. filter insert GF Rp 1 5pk	298175
Repl.filter ins.GF Rp1 1/4,Rp 1 1/2(5pk)	298176
Repl. filter insert GF Rp 2 (5 pk)	298177
For filters with flange connection, 50 µm	
Repl. filter insert GF 60025/50	304914
Repl. filter insert GF 60040/50	304915
Repl. filter insert GF 60050/50	304917
Repl. filter insert GF 60065/50	304918
Repl. filter insert GF 60080/50	304919
Repl. filter insert GF 60100/50	304920
Repl. filter insert GF 60125/50	304921
Repl. filter insert GF 60150/50	304922
Repl. filter insert GF 60200/50	304923
For filters with flange connection, 10 µm	
Repl. filter insert GF 60025/10	304870
Repl. filter insert GF 60040/10	304871
Repl. filter insert GF 60050/10	304873
Repl. filter insert GF 60065/10	304874
Repl. filter insert GF 60080/10	304875
Repl. filter insert GF 60100/10	304876
Repl. filter insert GF 60125/10	304877
Repl. filter insert GF 60150/10	304878

Compensators, Flexible Hoses

DUNGS®
Combustion Controls

ACO
Compensators

dungs.com → ACO



The axial compensators ACO with threaded or flanged connection to prevent vibration transmission in the gas and air pipes. The stainless steel compensators ensure a stress-free pipe installation and compensate for axial relative movements.

Approvals/Certificates: CE

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 20%, Hydrogen 100%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/4, Rp 1 1/2, Rp 2, R 1/2, R 3/4, R 1, R 1 1/4, R 1 1/2, R 2

Max. Inlet Pressure/Rated MOP: 500 kPa, 1000 kPa

Design: Single-walled, no inner sleeve

Material bellow: Stainless steel

Connection: Malleable cast iron, flat-seal, Stainless steel (welding neck), Steel, galvanized (loose fl.)

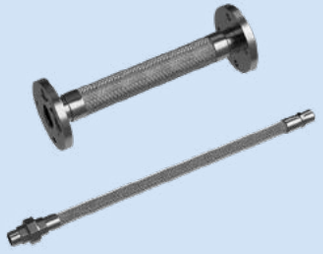
ACO

Article designation	Nominal Connection Size	Length [mm]	Order no.
Internal/Internal thread			
ACO 5005 II	Rp 1/2	125	306948
ACO 5007 II	Rp 3/4	135	306949
ACO 5010 II	Rp 1	150	306950
ACO 5012 II	Rp 1 1/4	165	306952
ACO 5015 II	Rp 1 1/2	190	306953
ACO 5020 II	Rp 2	210	306954
External/External thread			
ACO 5005 EE	R 1/2	157	306955
ACO 5007 EE	R 3/4	173	306956
ACO 5010 EE	R 1	194	306957
ACO 5012 EE	R 1 1/4	215	306958
ACO 5015 EE	R 1 1/2	240	306959
ACO 5020 EE	R 2	270	306960
Flanged Connection			
ACO 100025	DN 25	60	306961
ACO 100032	DN 32	65	306962
ACO 100040	DN 40	75	306963
ACO 100050	DN 50	95	306964
ACO 100065	DN 65	110	306966
ACO 100080	DN 80	125	306968
ACO 100100	DN 100	150	306969
ACO 100125	DN 125	175	306970
ACO 100150	DN 150	200	306971
ACO 100200	DN 200	240	306972

DUNGS®
Combustion Controls

FH
Flexible Hoses

dungs.com → FH



The Flexible Hoses FH with threaded or flanged connection for compensating movements, vibrations and thermal expansions in gas and air pipes. The stainless steel flexible hoses can be used to compensate for installation inaccuracies or as a flexible pipe element.

Approvals/Certificates: CE

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Flue, exhaust, no-agress. gas

Nominal Connection Size: DN 50, DN 65, DN 80, DN 100, R 1/2, R 3/4, R 1, R 1 1/4, R 1 1/2, R 2

Max. Inlet Pressure/Rated MOP: 500 kPa, 1600 kPa

Length: 500 mm, 800 mm, 1000 mm

Design: 1-fold wire braiding

Material Hose: Stainless steel

Material Braiding: Stainless steel

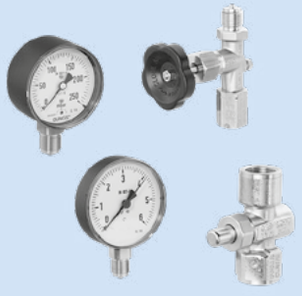
Connection: Stainless steel (flange), Stainless steel, conical seal, Stainless steel (loose flange)

FH

Article designation	Nominal Connection Size	Order no.
Threaded Connection, Length 500 mm		
FH 5005-L500	R 1/2	307079
FH 5007-L500	R 3/4	307080
FH 5010-L500	R 1	307081
FH 5012-L500	R 1 1/4	307082
FH 5015-L500	R 1 1/2	307083
FH 5020-L500	R 2	307084
Threaded Connection, Length 800 mm		
FH 5005-L800	R 1/2	307085
FH 5007-L800	R 3/4	307086
FH 5010-L800	R 1	307087
FH 5012-L800	R 1 1/4	307088
FH 5015-L800	R 1 1/2	307089
FH 5020-L800	R 2	307090
Threaded Connection, Length 1000 mm		
FH 5005-L1000	R 1/2	307091
FH 5007-L1000	R 3/4	307092
FH 5010-L1000	R 1	307093
FH 5012-L1000	R 1 1/4	307094
FH 5015-L1000	R 1 1/2	307095
FH 5020-L1000	R 2	307096
Flanged Connection, Length 500 mm		
FH 160050-L500	DN 50	307097
FH 160065-L500	DN 65	307098
FH 160080-L500	DN 80	307099
FH 160100-L500	DN 100	307100
Flanged Connection, Length 800 mm		
FH 160050-L800	DN 50	307101
FH 160065-L800	DN 65	307102
FH 160080-L800	DN 80	307103
FH 160100-L800	DN 100	307104
Flanged Connection, Length 1000 mm		
FH 160050-L1000	DN 50	307105
FH 160065-L1000	DN 65	307106
FH 160080-L1000	DN 80	307107
FH 160100-L1000	DN 100	307108

Accessories

DUNGS®
Combustion Controls



Pressure gauges, Push-button taps, Pressure gauge shut-off valves, Test burners

dungs.com → Manometer

CE

The Pressure Gauges are pressure measuring instruments with capsule (KP) or spiral element (RF) and steel housing.

Approvals/Certificates: CE

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Air, Flue, exhaust, no-agress. gas

Display Range max.: 0,025 bar, 0,04 bar, 0,06 bar, 0,1 bar, 0,16 bar, 0,25 bar, 0,4 bar, 0,6 bar, 1 bar, 1,6 bar, 2,5 bar, 4 bar, 6 bar, 10 bar, 25 bar

Display Range min.: 0 bar

Display unit: bar, mbar

Display Size: 80 mm, 100 mm

Nominal Connection Size: R 1/2, G 1/2B

Pressure gauges, Push-button taps, Pressure gauge shut-off valves, Test burners

Article designation	Order no.
Capsule spring manometer, Ø = 80 mm	
Press.gauge 0 - 25 mbar G1/2B D=80 KP	217101
Press.gauge 0 - 40 mbar G1/2B D=80 KP	099028
Press.gauge 0 - 60 mbar G1/2B D=80 KP	103697
Press.gauge 0 - 100 mbar G1/2B D=80 KP	082081
Press.gauge 0 - 160 mbar G1/2B D=80 KP	104083
Press.gauge 0 - 250 mbar G1/2B D=80 KP	077396
Press.gauge 0 - 400 mbar G1/2B D=80 KP	104307
Press.gauge 0 - 600 mbar G1/2B D=80 KP	103705
Capsule spring manometer, Ø = 100 mm	
Press.gauge 0 - 25 mbar R 1/2 D=100	248312
Press.gauge 0- 40 mbar R 1/2 D=100 radia	248311
Press.gauge 0 - 60 mbar G1/2B D=100 KP	248310
Press.gauge 0 - 100 mbar G1/2B D=100 KP	220054
Press.gauge 0 - 160 mbar G1/2B D=100 KP	247342
Press.gauge 0 - 250 mbar G1/2B D=100 KP	244612
Press.gauge 0 - 400 mbar G1/2B D=100 KP	230678
Press.gauge 0 - 600 mbar G1/2B D=100 KP	227467
Spiral spring manometer, Ø = 80 mm	
Press.gauge 0 - 1 bar G1/2B D=80 RF	119073
Press.gauge 0 - 1,6bar G1/2B D=80 RF	227146
Press.gauge 0 - 2.5 bar G1/2B D=80 RF	217201
Press.gauge 0 - 4 bar G1/2B D=80 RF	052415
Press.gauge 0 - 6 bar G1/2B D=80 RF	217202
Press.gauge 0 - 10 bar G 1/2B D=80 RF	227283
Press.gauge 0 - 25 bar G1/2B D=80 RF	248314
Spiral spring manometer, Ø = 100 mm	
pressure gauge 0-1 bar G1/2B D=100 RF	240829
Press.gauge 0 - 1,6 bar G1/2B D=100 RF	240830
Press.gauge 0 - 2.5 bar G1/2B D=100 RF	248313
Press.gauge 0 - 4 bar G1/2B D = 100 RF	241419
Press.gauge 0 - 6 bar G1/2B D=100 RF	230679
Press.gauge 0 - 10 bar G1/2B D=100 RF	247356
Press.gauge 0 - 25 bar G1/2B D=100 RF	245298

Article designation	Order no.
Other accessories	
Push button cock DKH Rp 1/2	033621
Manometerabsperrhahn MAV G 1/2	230762
Seal ring for press.gauge 1/2	227125
Repl.Kit.Seal ring for manometer (10pcs)	241961
Prüfbrenner PB 2 Erdgas Test Burner	273370
Prüfbrenner PB 2 Flüssiggas	273384
Prüfbrenner PB 2 Stadtgas	273383

ATEX program
ATEX II3G, II 3 D

DUNGS®
Combustion Controls

Pressure Switches for ATEX Applications

dungs.com → ATEX



The equipment of the ATEX product range complies with equipment group II, category 3 for gas and dust. It may only be used in zones 2 and 22.

GW…A4 HP/2 X
Pressure switch in overpressure range
The pressure acts on the micro switch via the metal bellows

against the force of the adjusting spring. The pressure switch works without auxiliary power.
GGW…A4/2 X and GGW…A4-U/2 X
Differential pressure switch in overpressure and negative pressure range. The differential pressure acts on the micro switch via the

diaphragen against the force of the adjusting spring. The pressure switch works without auxiliary power.
Marking
Ex II3G Ex nC IIC T6 Gc
Ex II 3 D Ex tc IIIB T 75°C Dc
-15 °C ≤ Ta ≤ +70 °C

Product Function: Pressure Switch, Differential Pressure Switch

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL, ATEX

Medium P+: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Medium P-: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%

Electrical Connection: Terminal conn. M cable gland

Enclosure Protection Rate: IP65

Contact Material: Gold

Mechanical Connection P+: G 1/4 female thread

Mechanical Connection P-: G 1/8 female thread

Max. Inlet Pressure/Rated MOP: -50 kPa, 50 kPa, 500 kPa, 800 kPa

Pressure Switches for ATEX Applications

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
GW 500 A4/2 HP X-Au-M-V0 st-se 1P	10	50	251984
GW 2000 A4/2 HP X-Au-M-V0 st-se 1P	40	200	251985
GW 6000 A4/2 HP X-Au-M-V0 st-se 1P	100	600	251986
GGW 3 A4/2 X-Au-M-MS9-V0-VS3 st-se 1P	0,04	0,3	245810
GGW 10 A4/2 X-Au-M-MS9-V0-VS3 st-se 1P	0,1	1	248694
GGW 50 A4/2 X-Au-M-MS9-V0-VS3 st-se 1P	0,25	5	245811
GGW 150 A4/2 X-Au-M-MS9-V0-VS3 1P	3	15	248695
GGW 3 A4-U/2 X-Au-M-MS9-V0-VS3 st-se 1P	-0,04	-0,3	248390
GGW 10 A4-U/2 X-Au-M-MS9-V0-VS3 st-se 1P	-0,1	-1	248391
GGW 50 A4-U/2 X-Au-M-MS9-V0-VS3 st-se 1P	-0,25	-5	246180
GGW 150 A4-U/2 X-Au-M-MS9-V0-VS3st-se 1P	-3	-15	248392

DUNGS®
Combustion Controls

Valves for ATEX Applications

dungs.com → ATEX



The equipment of the ATEX product range complies with equipment group II, category 3 for gas and dust. It may only be used in zones 2 and 22.

MV ... X: solenoid valve, one stage operation, closed without

current, fast opening, fast closing.
MVD ... X: solenoid valve, one stage operation, closed without current, fast opening, fast closing.
The gas flow can be limited manually by means of the main flow setting.
Marking on valve body
Ex II 3 GD T3
Marking on Solenoid
Ex II 3 G Ex mc ec IIC T3 Gc Ex II 3 D Ex mc tc IIIB T100 °C Dc
-15 °C ≤ Ta ≤ +60 °C

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, ATEX, SVGW

Nominal Connection Size: DN 40, DN 50, Rp 3/8, Rp 1/2, Rp 3/4, Rp 1, Rp 1 1/2, Rp 2

Pressure rating: PN 16

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Air, Propane

Max. Inlet Pressure/Rated MOP: 20 kPa, 50 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 230 VAC, 24 VDC

Electrical Connection: Terminal conn. PG cable gland

Position feedback: CPI mountable

Enclosure Protection Rate: IP54

Valves for ATEX Applications

Article designation	Nominal Connection Size	Order no.
230 VAC		
MVD 503 X 230 VAC IP54	Rp 3/8	253011
MVD 505 X 230 VAC IP54	Rp 1/2	253012
MVD 507 S02 X 230 VAC IP54	Rp 3/4	253013
MVD 510 X 230 VAC IP54	Rp 1	253014
MVD 515 X 230 VAC IP54	Rp 1 1/2	253015
MVD 520 X 230 VAC IP54	Rp 2	253016
MVD 2040 S02 X 230 VAC IP54	DN 40	253017
MVD 2050 S02 X 230 VAC IP54	DN 50	253018
24 VDC		
MVD 507 S02 X 24 VDC IP54	Rp 3/4	257862
MVD 510 X 24 Vdc IP54	Rp 1	255272
MVD 2040 S02 X 24 VDC IP54	DN 40	253024
MVD 2050 S02 X 24 VDC IP54	DN 50	253025

SG program (Special gases)

DUNGS®
Combustion Controls

Pressure Switches for Special Gas Applications

dungs.com → Special-Gases



Devices of the special gas program with octagon certification of TÜV Süd for components of biogas plants that are operated with biogases and sewage gases according to DVGW worksheet G 262.
LGW...A2 SGN Differential pressure switch for air, smoke and exhaust gases of biogas plants. Membrane made of NBR
LGW...A4 SGV Differential pressure switch for air, smoke and exhaust gases of biogas plants. Overpressure switch for biogases and special gases and their combustion products. Membrane made of Viton.
GW...A2 SGV Overpressure switch for biogases and special gases and their combustion products. Membrane made of Viton.
GW...A4/2 HP SGS Overpressure switch for biogases and special gases and their combustion products. Metal bellows made of stainless steel.
Function
The overpressure acts over the membrane or the metal bellows (GW...A4/2 HP) against the force of the adjusting spring on the micro switch. The pressure switch works without auxiliary power.

Product Function: Pressure Switch, Differential Pressure Switch

Approvals/Certificates: CE, CSA, FM, EAC, AGA, UKCA, UA, SIL, Octagon/Special gas

Medium P+: Hydrogen 100%, Special gas (<1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Medium P-: Special gas (<0,1%H_2S vol) dry, Air, Flue, exhaust, no-agress. gas

Electrical Connection: Terminal conn. M cable gland, Plug (4 pin) without socket

Enclosure Protection Rate: IP54, IP65

Contact Material: Gold

Mechanical Connection P+: O-Ring flange connection, G 1/4 female thread, Hose barb (4.6 mm)

Mechanical Connection P-: G 1/8 female thread, Hose barb (4.6 mm)

Max. Inlet Pressure/Rated MOP: 50 kPa, 500 kPa, 800 kPa

Pressure Switches for Special Gas Applications

Article designation	Setting Range min. [kPa]	Setting Range max. [kPa]	Order no.
LGW 3 A2 SGN Au-M-V9 st-se 0,4-3 IP65 1P	0,04	0,3	247964
LGW 10 A2 SGN Au-M-V9 st-se 2-10 IP65 1P	0,2	1	248247
LGW 50 A2 SGN Au-M-V9 st-se2,5-50IP65 1P	0,25	5	255574
LGW 150 A2 SGN Au-M-V9 st-se 7150 IP65	0,7	15	248248
LGW 10 A4 SG-Au-M-MS9-V0-VS3 st-se 1P	0,2	1	246749
LGW 150 A4 SGV Au-M-MS9-V0-VS3st-se IP65	0,7	15	246557
GW 10 A2 SGV Au-G3-V12 st-se2-10 mbar 1P	0,2	1	248244
GW 150 A2 SGV Au-G3-V12 st-se 7-150 mbar	0,7	15	248245
GW 500 A4/2 HP SGS Au-M-V0 st-se IP65 1P	10	50	255569
GW 2000 A4/2 HP SGS Au-M-V0st-se IP65 1P	40	200	255570
GW 6000 A4/2 HP SGS Au-M-V0st-se IP65 1P	100	600	255571

DUNGS®
Combustion Controls

Valves for Special Gas Applications

dungs.com → Special-Gases



Devices of the special gas program with octagon certification of TÜV Süd for components of biogas plants that are operated with biogases and sewage gases according to DVGW worksheet G 262. MVD... solenoid valves, one stage operation, closed without current, fast opening, fast closing, the gas flow can be limited manually by means of the main flow setting.

Product Function: Normally closed

Approvals/Certificates: CE, EAC, AGA, UKCA, UA, SIL, Octagon/Special gas

Nominal Connection Size: DN 40, DN 50, Rp 1/2, Rp 3/4, Rp 1

Pressure rating: PN 16

Medium: Gas family 1, Gas family 2, Gas family 3, Hydrogen 100%, Special gas (<0,1%H_2S vol) dry, Special gas (<1%H_2S vol) dry, Air, Propane

Max. Inlet Pressure/Rated MOP: 20 kPa, 50 kPa

Opening behaviour: Fast opening < 1 s

Mains Voltage: 230 VAC, 24 VDC

Electrical Connection: Terminal conn. PG cable gland

Position feedback: CPI mountable

Enclosure Protection Rate: IP65

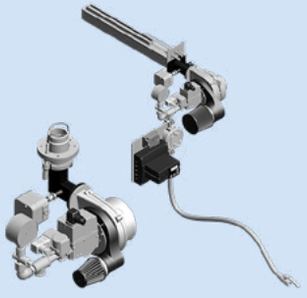
Valves for Special Gas Applications

Article designation	Nominal Connection Size	Order no.
NBR, 230 VAC		
MVD 505/5 S02 SGN 230VAC IP65	Rp 1/2	257668
MVD 507/5 S02 SGN 230VAC IP65	Rp 3/4	257670
MVD 510/5 S02 SGN 230VAC IP65	Rp 1	257672
MVD 2040/5 S02 SGN 230VAC IP65	DN 40	256097
MVD 2050/5 S02 SGN 230VAC IP65	DN 50	256098
NBR, 24 VDC, vibration-resistant		
MVD 505/5 S02 SGN 24VDC VIB IP65	Rp 1/2	257667
MVD 507/5 S02 SGN 24VDC VIB IP65	Rp 3/4	257669
MVD 510/5 S02 SGN 24VDC VIB IP65	Rp 1	257671
MVD 2040/5 S02 SGN 24VDC VIB IP65	DN 40	256189
MVD 2050/5 S02 SGN 24VDC VIB IP65	DN 50	256190
Viton, 230 VAC		
MVD 505/5 S02 SGV 230VAC IP65	Rp 1/2	257760
MVD 507/5 S02 SGV 230VAC IP65	Rp 3/4	257761
MVD 510/5 S02 SGV 230VAC IP65	Rp 1	257762
MVD 2040/5 S02 SGV 230VAC IP65	DN 40	256175
MVD 2050/5 S02 SGV 230VAC IP65	DN 50	256176
Viton, 24 VDC, vibration-resistant		
MVD 505/5 S02 SGV 24VDC VIB IP65	Rp 1/2	257763
MVD 507/5 S02 SGV 24VDC VIB IP65	Rp 3/4	257764
MVD 510/5 S02 SGV 24VDC VIB IP65	Rp 1	257765
MVD 2040/5 S02 SGV 24VDC VIB IP65	DN 40	256194
MVD 2050/5 S02 SGV 24VDC VIB IP65	DN 50	256195

DUNGS HeatEngine®

DUNGS®
Combustion Controls

HeatEngine®
Premix burner system



DUNGS HeatEngine® provides exactly the perfect mixture of air and gas for your process. We offer a wide range of design options to adapt our system exactly to your process with worldwide approval capabilities!
Plug and Play modulating premix combustion systems by DUNGS
Ultra low emissions
Point-style burners for NG and other gases
H_2 point-style burner for peak performance with Hydrogen including an integrated flame arrestor, meeting highest safety standards
Homogeneous heat distribution
Turndown ratio up to 1:10

Medium: Gas family 1, Gas family 2, Gas family 3

Region: EU

Max. Inlet Pressure/Rated MOP: 6,5 kPa

Process Pressure min.: -0,5 kPa

Process Pressure max.: 0,3 kPa

Inlet Connection Size: Rp 1/2, Rp 3/4

Burner head Model: Premix Point-style

Burner head Diameter: 40 mm, 60 mm, 70 mm, 98 mm, 130 mm

Burner head Capacity: 25 kW, 40 kW, 65 kW, 90 kW, 140 kW

Burner head Orientation: vertical

Mains Voltage: 230 VAC

Burner control: MPA 4112 + EM

Capacity Control: 3-point-step

Flame supervision: Ionization

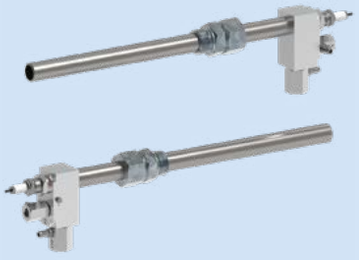
DUNGS HeatEngine®

Article designation	Total Capacity [kW]	Inlet Connection Size	Order no.
HEPM-P025/NG-EU-S-IO-1W-E	25	Rp 1/2	294440
HEPM-P040/NG-EU-S-IO-1W-E	40	Rp 1/2	294441
HEPM-P065/NG-EU-S-IO-1W-E	65	Rp 1/2	294442
HEPM-P090/NG-EU-S-IO-1W-E	90	Rp 3/4	294443
HEPM-P140/NG-EU-S-IO-1W-E	140	Rp 3/4	294444
Hydrogen			
HEPM-P025/H_2-EU-S-UE-1W-E			308311
HEPM-P040/H_2-EU-S-UE-1W-E			308314
HEPM-P070/H_2-EU-S-UE-1W-E			308315

Burners

DUNGS®
Combustion Controls

Pilot Burners IPB



The Industrial Pilot Burner IPB is designed for the automatic ignition and monitoring of gas, oil, and multi-fuel burners. With adjustable length and compatibility with various gas types, the IPB industrial ignition burner operates reliably across a wide range of applications.

IPB 1,5

Pilot burner 1,5 kW, installatio length from 200 mm, Installation diameter 15 mm

Article designation
LPG
IPB 1,5-L-250
Natural gas
IPB 1,5-N-200
IPB 1,5-N-300
IPB 1,5-N-400
IPB 1,5-N-500
IPB 1,5-N-550

IPB 3,5

Pilot burner 3,5 kW, installation length from 200 mm, Installation diameter 25 mm

Article designation
LPG
IPB 3,5-L-200
IPB 3,5-L-300
IPB 3,5-L-600
Natural gas
IPB 3,5-N-200
IPB 3,5-N-250
IPB 3,5-N-300
IPB 3,5-N-350
IPB 3,5-N-400
IPB 3,5-N-450
IPB 3,5-N-500
IPB 3,5-N-600

IPB 7

Pilot burner 7 kW, for natural gas, installation length from 200 mm

Article designation
IPB 7-N-150/100
IPB 7-N-300/100
IPB 7-N-400/100
IPB 7-N-600/100

DUNGS®
Combustion Controls

Gas burners GBC



The Gas Burner GBC is suitable for a wide range of industrial processes. As a high-speed orifice-mixing burner, it is designed for demanding applications. The ceramic flame tube ensures high temperature resistance, while operation with preheated combustion air is possible.

GBC 50

Article designation
Nominal capacity 30 kW
GBC 50-1LS-0/35-C28(300)
GBC 50-1LS-100/135-C28(300)
GBC 50-1LS-200/235-C28(300)
GBC 50-1LS-300/335-C28(300)
GBC 50-1LS-400/435-C28(300)
GBC 50-1LS-500/535-C28(300)
GBC 50-1LS-600/635-C28(300)
Nominal capacity 35 kW
GBC 50-1LS-0/35-C35(300)
GBC 50-1LS-100/135-C35(300)
GBC 50-1LS-200/235-C35(300)
GBC 50-1LS-300/335-C35(300)
GBC 50-1LS-400/435-C35(300)
GBC 50-1LS-500/535-C35(300)
GBC 50-1LS-600/635-C35(300)

GBC 65

Article designation
Nominal capacity 50 kW
GBC 65-1KS-0/35-C33(300)
GBC 65-1KS-100/135-C33(300)
GBC 65-1KS-200/235-C33(300)
GBC 65-1KS-300/335-C33(300)
GBC 65-1KS-400/435-C33(300)
GBC 65-1KS-500/535-C33(300)
GBC 65-1KS-600/635-C33(300)
Nominal capacity 60 kW
GBC 65-1KS-0/35-C40(300)
GBC 65-1KS-100/135-C40(300)
GBC 65-1KS-200/235-C40(300)
GBC 65-1KS-300/335-C40(300)
GBC 65-1KS-400/435-C40(300)
GBC 65-1KS-500/535-C40(300)
GBC 65-1KS-600/635-C40(300)
Nominal capacity 70 kW
GBC 65-1KS-0/35-C48(300)
GBC 65-1KS-100/135-C48(300)
GBC 65-1KS-200/235-C48(300)
GBC 65-1KS-300/335-C48(300)
GBC 65-1KS-400/435-C48(300)
GBC 65-1KS-500/535-C48(300)
GBC 65-1KS-600/635-C48(300)

GBC 80

Article designation
Nominal capacity 60 kW
GBC 80-1LS-0/35-C33(300)
GBC 80-1LS-100/135-C33(300)
GBC 80-1LS-200/235-C33(300)
GBC 80-1LS-300/335-C33(300)
GBC 80-1LS-400/435-C33(300)
GBC 80-1LS-500/535-C33(300)
GBC 80-1LS-600/635-C33(300)
Nominal capacity 90 kW
GBC 80-1LS-0/35-C40(300)
GBC 80-1LS-100/135-C40(300)
GBC 80-1LS-200/235-C40(300)
GBC 80-1LS-300/335-C40(300)
GBC 80-1LS-400/435-C40(300)
GBC 80-1LS-500/535-C40(300)
GBC 80-1LS-600/635-C40(300)
GBC 80-1KS-0/35-C40(300)
GBC 80-1KS-100/135-C40(300)
GBC 80-1KS-200/235-C40(300)
GBC 80-1KS-300/335-C40(300)
GBC 80-1KS-400/435-C40(300)
GBC 80-1KS-500/535-C40(300)
GBC 80-1KS-600/635-C40(300)
Nominal capacity 105 kW
GBC 80-1LS-0/35-C50(300)
GBC 80-1LS-100/135-C50(300)
GBC 80-1LS-200/235-C50(300)
GBC 80-1LS-300/335-C50(300)
GBC 80-1LS-400/435-C50(300)
GBC 80-1LS-500/535-C50(300)
GBC 80-1LS-600/635-C50(300)
GBC 80-1KS-0/35-C50(300)
GBC 80-1KS-100/135-C50(300)
GBC 80-1KS-200/235-C50(300)
GBC 80-1KS-300/335-C50(300)
GBC 80-1KS-400/435-C50(300)
GBC 80-1KS-500/535-C50(300)
GBC 80-1KS-600/635-C50(300)

Article designation
Nominal capacity 120 kW
GBC 80-1LS-0/35-C64(300)
GBC 80-1LS-100/135-C64(300)
GBC 80-1LS-200/235-C64(300)
GBC 80-1LS-300/335-C64(300)
GBC 80-1LS-400/435-C64(300)
GBC 80-1LS-500/535-C64(300)
GBC 80-1LS-600/635-C64(300)
GBC 80-1KS-0/35-C64(300)
GBC 80-1KS-100/135-C64(300)
GBC 80-1KS-200/235-C64(300)
GBC 80-1KS-300/335-C64(300)
GBC 80-1KS-400/435-C64(300)
GBC 80-1KS-500/535-C64(300)
GBC 80-1KS-600/635-C64(300)

GBC 100

Article designation
Nominal capacity 160 kW
GBC 100-1LS-0/35-C65(300)
GBC 100-1LS-100/135-C65(300)
GBC 100-1LS-200/235-C65(300)
GBC 100-1LS-300/335-C65(300)
GBC 100-1LS-400/435-C65(300)
GBC 100-1LS-500/535-C65(300)
GBC 100-1LS-600/635-C65(300)
Nominal capacity 160 kW
GBC 100-1KS-0/35-C65(300)
GBC 100-1KS-100/135-C65(300)
GBC 100-1KS-200/235-C65(300)
GBC 100-1KS-300/335-C65(300)
GBC 100-1KS-400/435-C65(300)
GBC 100-1KS-500/535-C65(300)
GBC 100-1KS-600/635-C65(300)
Nominal capacity 180 kW
GBC 100-1LS-0/35-C82(300)
GBC 100-1LS-100/135-C82(300)
GBC 100-1LS-200/235-C82(300)
GBC 100-1LS-300/335-C82(300)
GBC 100-1LS-400/435-C82(300)
GBC 100-1LS-500/535-C82(300)
GBC 100-1LS-600/635-C82(300)
Nominal capacity 180 kW
GBC 100-1KS-0/35-C82(300)
GBC 100-1KS-100/135-C82(300)
GBC 100-1KS-200/235-C82(300)
GBC 100-1KS-300/335-C82(300)
GBC 100-1KS-400/435-C82(300)
GBC 100-1KS-500/535-C82(300)
GBC 100-1KS-600/635-C82(300)

GBC 125

Article designation
Nominal capacity 200 kW
GBC 125-1LS-0/35-C66(300)
GBC 125-1LS-100/135-C66(300)
GBC 125-1LS-200/235-C66(300)
GBC 125-1LS-300/335-C66(300)
GBC 125-1LS-400/435-C66(300)
GBC 125-1LS-500/535-C66(300)
GBC 125-1LS-600/635-C66(300)
Nominal capacity 200 kW
GBC 125-1KS-0/35-C66(300)
GBC 125-1KS-100/135-C66(300)
GBC 125-1KS-200/235-C66(300)
GBC 125-1KS-300/335-C66(300)
GBC 125-1KS-400/435-C66(300)
GBC 125-1KS-500/535-C66(300)
GBC 125-1KS-600/635-C66(300)
Nominal capacity 230 kW
GBC 125-1LS-0/35-C75(300)
GBC 125-1LS-100/135-C75(300)
GBC 125-1LS-200/235-C75(300)
GBC 125-1LS-300/335-C75(300)
GBC 125-1LS-400/435-C75(300)
GBC 125-1LS-500/535-C75(300)
GBC 125-1LS-600/635-C75(300)
Nominal capacity 230 kW
GBC 125-1KS-0/35-C75(300)
GBC 125-1KS-100/135-C75(300)
GBC 125-1KS-200/235-C75(300)
GBC 125-1KS-300/335-C75(300)
GBC 125-1KS-400/435-C75(300)
GBC 125-1KS-500/535-C75(300)
GBC 125-1KS-600/635-C75(300)
Nominal capacity 2600 kW
GBC 125-1LS-0/35-C100(300)
GBC 125-1LS-100/135-C100(300)
GBC 125-1LS-200/235-C100(300)
GBC 125-1LS-300/335-C100(300)
GBC 125-1LS-400/435-C100(300)
GBC 125-1LS-500/535-C100(300)
GBC 125-1LS-600/635-C100(300)

Article designation
Nominal capacity 2600 kW
GBC 125-1KS-0/35-C100(300)
GBC 125-1KS-100/135-C100(300)
GBC 125-1KS-200/235-C100(300)
GBC 125-1KS-300/335-C100(300)
GBC 125-1KS-400/435-C100(300)
GBC 125-1KS-500/535-C100(300)
GBC 125-1KS-600/635-C100(300)

GBC 140

Article designation
Nominal capacity 270 kW
GBC 140-1LS-0/35-C70(300)
GBC 140-1LS-100/135-C70(300)
GBC 140-1LS-200/235-C70(300)
GBC 140-1LS-300/335-C70(300)
GBC 140-1LS-400/435-C70(300)
GBC 140-1LS-500/535-C70(300)
GBC 140-1LS-600/635-C70(300)
Nominal capacity 270 kW
GBC 140-1KS-0/35-C70(300)
GBC 140-1KS-100/135-C70(300)
GBC 140-1KS-200/235-C70(300)
GBC 140-1KS-300/335-C70(300)
GBC 140-1KS-400/435-C70(300)
GBC 140-1KS-500/535-C70(300)
GBC 140-1KS-600/635-C70(300)
Nominal capacity 320 kW
GBC 140-1LS-0/35-C85(300)
GBC 140-1LS-100/135-C85(300)
GBC 140-1LS-200/235-C85(300)
GBC 140-1LS-300/335-C85(300)
GBC 140-1LS-400/435-C85(300)
GBC 140-1LS-500/535-C85(300)
GBC 140-1LS-600/635-C85(300)
Nominal capacity 320 kW
GBC 140-1KS-0/35-C85(300)
GBC 140-1KS-100/135-C85(300)
GBC 140-1KS-200/235-C85(300)
GBC 140-1KS-300/335-C85(300)
GBC 140-1KS-400/435-C85(300)
GBC 140-1KS-500/535-C85(300)
GBC 140-1KS-600/635-C85(300)

Article designation
Nominal capacity 360 kW
GBC 140-1LS-0/35-C120(300)
GBC 140-1LS-100/135-C120(300)
GBC 140-1LS-200/235-C120(300)
GBC 140-1LS-300/335-C120(300)
GBC 140-1LS-400/435-C120(300)
GBC 140-1LS-500/535-C120(300)
GBC 140-1LS-600/635-C120(300)
Nominal capacity 360 kW
GBC 140-1KS-0/35-C120(300)
GBC 140-1KS-100/135-C120(300)
GBC 140-1KS-200/235-C120(300)
GBC 140-1KS-300/335-C120(300)
GBC 140-1KS-400/435-C120(300)
GBC 140-1KS-500/535-C120(300)
GBC 140-1KS-600/635-C120(300)
Nominal capacity 450 kW
GBC 140-1LS-0/35-C127(300)
GBC 140-1LS-100/135-C127(300)
GBC 140-1LS-200/235-C127(300)
GBC 140-1LS-300/335-C127(300)
GBC 140-1LS-400/435-C127(300)
GBC 140-1LS-500/535-C127(300)
GBC 140-1LS-600/635-C127(300)
Nominal capacity 450 kW
GBC 140-1KS-0/35-C127(300)
GBC 140-1KS-100/135-C127(300)
GBC 140-1KS-200/235-C127(300)
GBC 140-1KS-300/335-C127(300)
GBC 140-1KS-400/435-C127(300)
GBC 140-1KS-500/535-C127(300)
GBC 140-1KS-600/635-C127(300)

GBC 165

Article designation
Nominal capacity 600 kW
GBC 165-1LS-0/35-C154(300)
GBC 165-1LS-100/135-C154(300)
GBC 165-1LS-150/185-C154(300)
GBC 165-1KS-0/35-C154(300)

GBC 200

Article designation
Nominal capacity 1000 kW
GBC 200-1LS-0/35-C180(300)
GBC 200-1LS-100/135-C180(300)
GBC 200-1KS-0/35-C180(300)

DUNGS®
Combustion Controls

Gas burners GBS



The Gas Burner GBS can be flexibly adapted to different fuel and output requirements. It is an orifice-mixing gas burner with a metal flame tube. When used with a suitable burner block, it can also operate as a flat-flame burner.

GBS 40

Article designation
Metallic flame tube, nominal capacity 20 kW
GBS 40-1L-100/35
GBS 40-1L-150/85
GBS 40-1L-200/135
GBS 40-1L-250/185
GBS 40-1L-300/235
GBS 40-1L-350/285
GBS 40-1L-400/335
GBS 40-1L-450/385
GBS 40-1L-500/435
GBS 40-1L-550/485
GBS 40-1L-600/535

GBS 50

Article designation
Metallic flame tube, nominal capacity 40 kW
GBS 50-1LS-50/35
GBS 50-1LS-100/35
GBS 50-1LS-150/35
GBS 50-1LS-200/85
GBS 50-1LS-250/135
GBS 50-1LS-300/185
GBS 50-1LS-350/235
GBS 50-1LS-400/285
GBS 50-1LS-450/335
GBS 50-1LS-500/385
GBS 50-1LS-550/435
GBS 50-1LS-600/485
GBS 50-1FS-50/35
GBS 50-1FS-100/85
GBS 50-1FS-150/135
GBS 50-1FS-200/185
GBS 50-1FS-250/235
GBS 50-1FS-300/285
GBS 50-1FS-350/335
GBS 50-1FS-400/385
GBS 50-1FS-450/435
GBS 50-1FS-500/485
GBS 50-1FS-550/535
GBS 50-1FS-600/585

GBS 65

Article designation
Metallic flame tube, nominal capacity 90 kW
GBS 65-1KS-150/35
GBS 65-1KS-200/85
GBS 65-1KS-250/135
GBS 65-1KS-300/185
GBS 65-1KS-350/235
GBS 65-1KS-400/285
GBS 65-1KS-450/335
GBS 65-1KS-500/385
GBS 65-1KS-550/435
GBS 65-1KS-600/485
For installation in a burner block (please inquire separately), nominal capacity 90 kW
GBS 65-1KS-50/35
GBS 65-1KS-100/85
GBS 65-1KS-150/135
GBS 65-1KS-200/185
GBS 65-1KS-250/235
GBS 65-1KS-300/285
GBS 65-1KS-350/335
GBS 65-1KS-400/385
GBS 65-1KS-450/435
GBS 65-1KS-500/485
GBS 65-1KS-550/535
GBS 65-1KS-600/585
GBS 65-1FS-50/35
GBS 65-1FS-100/85
GBS 65-1FS-150/135
GBS 65-1FS-200/185
GBS 65-1FS-250/235
GBS 65-1FS-300/285
GBS 65-1FS-350/335
GBS 65-1FS-400/385
GBS 65-1FS-450/435
GBS 65-1FS-500/485
GBS 65-1FS-550/535
GBS 65-1FS-600/585

GBS 80

Article designation
Metallic flame tube, nominal capacity 150 kW
GBS 80-1LS-200/35
GBS 80-1LS-250/85
GBS 80-1LS-300/135
GBS 80-1LS-350/185
GBS 80-1LS-400/235
GBS 80-1LS-450/285
GBS 80-1LS-500/335
GBS 80-1LS-550/385
GBS 80-1LS-600/435
GBS 80-1KS-200/35
GBS 80-1KS-250/85
GBS 80-1KS-300/135
GBS 80-1KS-350/185
GBS 80-1KS-400/235
GBS 80-1KS-450/285
GBS 80-1KS-500/335
GBS 80-1KS-550/385
GBS 80-1KS-600/435

Article designation
For installation in a burner block (please inquire separately), nominal capacity 150 kW
GBS 80-1LS-100/35
GBS 80-1LS-150/85
GBS 80-1LS-200/135
GBS 80-1LS-250/185
GBS 80-1LS-300/235
GBS 80-1LS-350/285
GBS 80-1LS-400/335
GBS 80-1LS-450/385
GBS 80-1LS-500/435
GBS 80-1LS-550/485
GBS 80-1LS-600/535
GBS 80-1KS-50/35
GBS 80-1KS-100/85
GBS 80-1KS-150/135
GBS 80-1KS-200/185
GBS 80-1KS-250/235
GBS 80-1KS-300/285
GBS 80-1KS-350/335
GBS 80-1KS-400/385
GBS 80-1KS-450/435
GBS 80-1KS-500/485
GBS 80-1KS-550/535
GBS 80-1KS-600/585
GBS 80-1FS-50/35
GBS 80-1FS-100/85
GBS 80-1FS-150/135
GBS 80-1FS-200/185
GBS 80-1FS-250/235
GBS 80-1FS-300/285
GBS 80-1FS-350/335
GBS 80-1FS-400/385
GBS 80-1FS-450/435
GBS 80-1FS-500/485
GBS 80-1FS-550/535
GBS 80-1FS-600/585

GBS 100

Article designation
Metallic flame tube, nominal capacity 250 kW
GBS 100-1LS-200/35
GBS 100-1LS-250/85
GBS 100-1LS-300/135
GBS 100-1LS-350/185
GBS 100-1LS-400/235
GBS 100-1LS-450/285
GBS 100-1LS-500/335
GBS 100-1LS-550/385
GBS 100-1LS-600/435
GBS 100-1KS-200/35
GBS 100-1KS-250/85
GBS 100-1KS-300/135
GBS 100-1KS-350/185
GBS 100-1KS-400/235
GBS 100-1KS-450/285
GBS 100-1KS-500/335
GBS 100-1KS-550/385
GBS 100-1KS-600/435

Article designation
For installation in a burner block (please inquire separately), nominal capacity 250 kW
GBS 100-1LS-100/35
GBS 100-1LS-150/85
GBS 100-1LS-200/135
GBS 100-1LS-250/185
GBS 100-1LS-300/235
GBS 100-1LS-350/285
GBS 100-1LS-400/335
GBS 100-1LS-450/385
GBS 100-1LS-500/435
GBS 100-1LS-550/485
GBS 100-1LS-600/535
GBS 100-1KS-50/35
GBS 100-1KS-100/85
GBS 100-1KS-150/135
GBS 100-1KS-200/185
GBS 100-1KS-250/235
GBS 100-1KS-300/285
GBS 100-1KS-350/335
GBS 100-1KS-400/385
GBS 100-1KS-450/435
GBS 100-1KS-500/485
GBS 100-1KS-550/535
GBS 100-1KS-600/585
GBS 100-1FS-50/35
GBS 100-1FS-100/85
GBS 100-1FS-150/135
GBS 100-1FS-200/185
GBS 100-1FS-250/235
GBS 100-1FS-300/285
GBS 100-1FS-350/335
GBS 100-1FS-400/385
GBS 100-1FS-450/435
GBS 100-1FS-500/485
GBS 100-1FS-550/535
GBS 100-1FS-600/585

GBS 125

Article designation
Metallic flame tube, nominal capacity 320 kW
GBS 125-1LS-250/35
GBS 125-1LS-300/85
GBS 125-1LS-350/135
GBS 125-1LS-400/185
GBS 125-1LS-450/235
GBS 125-1LS-500/285
GBS 125-1LS-550/335
GBS 125-1LS-600/385
GBS 125-1KS-250/35
GBS 125-1KS-300/85
GBS 125-1KS-350/135
GBS 125-1KS-400/185
GBS 125-1KS-450/235
GBS 125-1KS-500/285
GBS 125-1KS-550/335
GBS 125-1KS-600/385

Article designation
For installation in a burner block (please inquire separately), nominal capacity 320 kW
GBS 125-1LS-100/35
GBS 125-1LS-150/85
GBS 125-1LS-200/135
GBS 125-1LS-250/185
GBS 125-1LS-300/235
GBS 125-1LS-350/285
GBS 125-1LS-400/335
GBS 125-1LS-450/385
GBS 125-1LS-500/435
GBS 125-1LS-550/485
GBS 125-1LS-600/535
GBS 125-1KS-50/35
GBS 125-1KS-100/85
GBS 125-1KS-150/135
GBS 125-1KS-200/185
GBS 125-1KS-250/235
GBS 125-1KS-300/285
GBS 125-1KS-350/335
GBS 125-1KS-400/385
GBS 125-1KS-450/435
GBS 125-1KS-500/485
GBS 125-1KS-550/535
GBS 125-1KS-600/585
GBS 125-1FS-50/35
GBS 125-1FS-100/85
GBS 125-1FS-150/135
GBS 125-1FS-200/185
GBS 125-1FS-250/235
GBS 125-1FS-300/285
GBS 125-1FS-350/335
GBS 125-1FS-400/385
GBS 125-1FS-450/435
GBS 125-1FS-500/485
GBS 125-1FS-550/535
GBS 125-1FS-600/585

GBS 140

Article designation
Metallic flame tube, nominal capacity 450 kW
GBS 140-1LS-300/35
GBS 140-1LS-350/85
GBS 140-1LS-400/135
GBS 140-1LS-450/185
GBS 140-1LS-500/235
GBS 140-1LS-550/285
GBS 140-1LS-600/335
GBS 140-1KS-300/35
GBS 140-1KS-350/85
GBS 140-1KS-400/135
GBS 140-1KS-450/185
GBS 140-1KS-500/235
GBS 140-1KS-550/285
GBS 140-1KS-600/335

Article designation
For installation in a burner block (please inquire separately), nominal capacity 450 kW
GBS 140-1LS-100/35
GBS 140-1LS-150/85
GBS 140-1LS-200/135
GBS 140-1LS-250/185
GBS 140-1LS-300/235
GBS 140-1LS-350/285
GBS 140-1LS-400/335
GBS 140-1LS-450/385
GBS 140-1LS-500/435
GBS 140-1LS-550/485
GBS 140-1LS-600/535
GBS 140-1KS-50/35
GBS 140-1KS-100/85
GBS 140-1KS-150/135
GBS 140-1KS-200/185
GBS 140-1KS-250/235
GBS 140-1KS-300/285
GBS 140-1KS-350/335
GBS 140-1KS-400/385
GBS 140-1KS-450/435
GBS 140-1KS-500/485
GBS 140-1KS-550/535
GBS 140-1KS-600/585
GBS 140-1FS-50/35
GBS 140-1FS-100/85
GBS 140-1FS-150/135
GBS 140-1FS-200/185
GBS 140-1FS-250/235
GBS 140-1FS-300/285
GBS 140-1FS-350/335
GBS 140-1FS-400/385
GBS 140-1FS-450/435
GBS 140-1FS-500/485
GBS 140-1FS-550/535
GBS 140-1FS-600/585

GBS 165

Article designation
Metallic flame tube, nominal capacity 600 kW
GBS 165-1LS-300/35
GBS 165-1LS-350/85
GBS 165-1LS-400/135
GBS 165-1LS-450/185
GBS 165-1LS-500/235
GBS 165-1LS-550/285
GBS 165-1LS-600/335
GBS 165-1KS-300/35
GBS 165-1KS-350/85
GBS 165-1KS-400/135
GBS 165-1KS-450/185
GBS 165-1KS-500/235
GBS 165-1KS-550/285
GBS 165-1KS-600/335

Article designation
For installation in a burner block (please inquire separately), nominal capacity 600 kW
GBS 165-1LS-100/35
GBS 165-1LS-150/85
GBS 165-1LS-200/135
GBS 165-1LS-250/185
GBS 165-1LS-300/235
GBS 165-1LS-350/285
GBS 165-1LS-400/335
GBS 165-1LS-450/385
GBS 165-1LS-500/435
GBS 165-1LS-550/485
GBS 165-1LS-600/535
GBS 165-1KS-50/35
GBS 165-1KS-100/85
GBS 165-1KS-150/135
GBS 165-1KS-200/185
GBS 165-1KS-250/235
GBS 165-1KS-300/285
GBS 165-1KS-350/335
GBS 165-1KS-400/385
GBS 165-1KS-450/435
GBS 165-1KS-500/485
GBS 165-1KS-550/535
GBS 165-1KS-600/585
GBS 165-1FS-50/35
GBS 165-1FS-100/85
GBS 165-1FS-150/135
GBS 165-1FS-200/185
GBS 165-1FS-250/235
GBS 165-1FS-300/285
GBS 165-1FS-350/335
GBS 165-1FS-400/385
GBS 165-1FS-450/435
GBS 165-1FS-500/485
GBS 165-1FS-550/535
GBS 165-1FS-600/585

GBS 200

Article designation
Metallic flame tube, nominal capacity 1000 kW
GBS 200-1LS-300/35
GBS 200-1LS-350/85
GBS 200-1LS-400/135
GBS 200-1LS-450/185
GBS 200-1LS-500/235
GBS 200-1LS-550/285
GBS 200-1LS-600/335
GBS 200-1KS-300/35
GBS 200-1KS-350/85
GBS 200-1KS-400/135
GBS 200-1KS-450/185
GBS 200-1KS-500/235
GBS 200-1KS-550/285
GBS 200-1KS-600/335

Article designation
For installation in a burner block (please inquire separately), nominal capacity 1000 kW
GBS 200-1LS-100/35
GBS 200-1LS-150/85
GBS 200-1LS-200/135
GBS 200-1LS-250/185
GBS 200-1LS-300/235
GBS 200-1LS-350/285
GBS 200-1LS-400/335
GBS 200-1LS-450/385
GBS 200-1LS-500/435
GBS 200-1LS-550/485
GBS 200-1LS-600/535
GBS 200-1KS-50/35
GBS 200-1KS-100/85
GBS 200-1KS-150/135
GBS 200-1KS-200/185
GBS 200-1KS-250/235
GBS 200-1KS-300/285
GBS 200-1KS-350/335
GBS 200-1KS-400/385
GBS 200-1KS-450/435
GBS 200-1KS-500/485
GBS 200-1KS-550/535
GBS 200-1KS-600/585
GBS 200-1FS-50/35
GBS 200-1FS-100/85
GBS 200-1FS-150/135
GBS 200-1FS-200/185
GBS 200-1FS-250/235
GBS 200-1FS-300/285
GBS 200-1FS-350/335
GBS 200-1FS-400/385
GBS 200-1FS-450/435
GBS 200-1FS-500/485
GBS 200-1FS-550/535
GBS 200-1FS-600/585

DUNGS®
Combustion Controls

Recuperative burners RECUFIRE M



The Recuperative Burner RECUFIRE® M is a high-speed burner with an integrated metal recuperator. It is ideal for direct and indirect heating of continuous industrial furnaces, saves fuel by utilizing exhaust heat, and ensures stable flames in the medium-power range.

RECUFIRE M

Discount group A

Article designation	
ADVANCED 12 version – 12 ribbed segments	
RECUFIRE M 30 ADVANCED 12N 540	30
RECUFIRE M 40a ADVANCED 12N 540	40
RECUFIRE M 70a ADVANCED 12N 540	70
RECUFIRE M 120a ADVANCED 12N 540	120
RECUFIRE M 200 ADVANCED 12N 540	200
RECUFIRE M 300 ADVANCED 12N 540	300
RECUFIRE M 400 ADVANCED 12N 540	400
RECUFIRE M 500 ADVANCED 20N 790	500
RECUFIRE M 30 ADVANCED 12N 590	30
RECUFIRE M 40a ADVANCED 12N 590	40
RECUFIRE M 70a ADVANCED 12N 590	70
RECUFIRE M 120a ADVANCED 12N 590	120
RECUFIRE M 200 ADVANCED 12N 590	200
RECUFIRE M 300 ADVANCED 12N 590	300
RECUFIRE M 400 ADVANCED 12N 590	400
RECUFIRE M 30 ADVANCED 12N 640	30
RECUFIRE M 40a ADVANCED 12N 640	40
RECUFIRE M 70a ADVANCED 12N 640	70
RECUFIRE M 120a ADVANCED 12N 640	120
RECUFIRE M 200 ADVANCED 12N 640	200
RECUFIRE M 300 ADVANCED 12N 640	300
RECUFIRE M 400 ADVANCED 12N 640	400
RECUFIRE M 30 ADVANCED 12N 690	30
RECUFIRE M 40a ADVANCED 12N 690	40
RECUFIRE M 70a ADVANCED 12N 690	70
RECUFIRE M 120a ADVANCED 12N 690	120
RECUFIRE M 200 ADVANCED 12N 690	200
RECUFIRE M 300 ADVANCED 12N 690	300
RECUFIRE M 400 ADVANCED 12N 690	400

Flue gas ejectors

Discount group B

Article designation
FGE RECUFIRE 30
FGE RECUFIRE 40
FGE RECUFIRE 70
FGE RECUFIRE 120
FGE RECUFIRE 200
FGE RECUFIRE 300
FGE RECUFIRE 400
FGE RECUFIRE 600

Sleeve tubes

Discount group B

Article designation
AFR RECUFIRE M 30 Version 540
AFR RECUFIRE M 40 Version 540
AFR RECUFIRE M 70 Version 540
AFR RECUFIRE M 120 Version 540
AFR RECUFIRE M 200 Version 540
AFR RECUFIRE M 300 Version 540
AFR RECUFIRE M 400 Version 540
AFR RECUFIRE M 500 Version 790

DUNGS®
Combustion Controls

Recuperative burners RECUFIRE C



The Recuperative Burner RECUFIRE® C is a compact version featuring similar recuperation technology, designed for smaller furnaces or specialized applications with limited installation space. It also offers high energy efficiency and uniform flame distribution.

RECUFIRE C

Discount group A

Article designation	
ADVANCED 12 version – 12 ribbed segments	
RECUFIRE C 30 ADVANCED 3N 540	30
RECUFIRE C 40a ADVANCED 3N 540	40
RECUFIRE C 70a ADVANCED 3N 540	70
RECUFIRE C 120a ADVANCED 3N 540	120
RECUFIRE C 200 ADVANCED 3N 540	200
RECUFIRE C 300 ADVANCED 3N 540	300
RECUFIRE C 400 ADVANCED 3N 540	400
Diverting lengths	on request

Flue gas ejectors

Discount group B

Article designation
FGE RECUFIRE 30
FGE RECUFIRE 40
FGE RECUFIRE 70
FGE RECUFIRE 120
FGE RECUFIRE 200
FGE RECUFIRE 300
FGE RECUFIRE 400
FGE RECUFIRE 600

Ceramic Sleeve Tubes complete plus flange

Discount group B

Article designation
AFR RECUFIRE C30 Version 540
AFR RECUFIRE C40 Version 540
AFR RECUFIRE C70 Version 540
AFR RECUFIRE C120 Version 540
AFR RECUFIRE C200 Version 540
AFR RECUFIRE C300 Version 540
AFR RECUFIRE C400 Version 540

DUNGS®
Combustion Controls

Segmented ceramic flame tubes FIREFLEX

Ceramic flame tube in segments for installation in single ended radiant tubes; flexible joint allows bending of the jacket tube; length of each segment: total: 300 mm, net 250 mm

FIREFLEX

Discount group A

Article designation
FIREFLEX IBS 102-88/84-67x150
FIREFLEX IBS 102-88/84-67x200
FIREFLEX IBS 102-88/84-67x250
FIREFLEX IBS 102-88/84-67x300
FIREFLEX IBS 142-127/123-98x150
FIREFLEX IBS 142-127/123-98x200
FIREFLEX IBS 142-127/123-98x250
FIREFLEX IBS 142-127/123-98x300
FIREFLEX IBS 162-147/143-114x150
FIREFLEX IBS 162-147/143-114x200
FIREFLEX IBS 162-147/143-114x250
FIREFLEX IBS 162-147/143-114x300
FIREFLEX IBS 202-186/182-143x150
FIREFLEX IBS 202-186/182-143x200
FIREFLEX IBS 202-186/182-143x250
FIREFLEX IBS 202-186/182-143x300

DUNGS®
Combustion Controls

Ignition- and ionisation electrodes

GBC/GBS

Discount group A

Length Burner Head
GBx 50 – GBx 125
x/35
x/85
x/135
x/185
x/235
x/285
x/335
x/385
x/435
x/485
x/535
x/585
x/635
x/685
x/735
x/785
x/835
x/885

Length Burner Head
GBx 140 – GBx 320
x/35
x/85
x/135
x/185
x/235
x/285
x/335
x/385
x/435
x/485
x/535
x/585
x/635
x/685
x/735
x/785
x/835
x/885

RECUFIRE

Discount group A

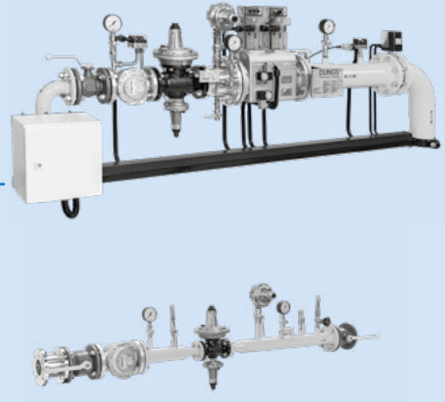
Installation length
RECUFIREx 30/40
390
440
490
540
590
640
690
740
790
RECUFIREx 70/120
390
440
490
540
590
640
690
740
790

Installation length
RECUFIREx 200/300/400
390
440
490
540
590
640
690
740
790

Systems

DUNGS®
Combustion Controls

Gas systems



We manufacture and install customized gas systems in accordance

- with relevant EU regulations:
- EU Gas Appliance Directive
- EU Pressure Equipment Directive Category I & II
- Regulations on occupational safety
- EU country specific regulations
- Regulations of gas supply companies

DUNGS gas systems are suitable for use in:

- Process heat applications
- Forced draught burners
- Thermal power stations
- Gas engines, CHP
- Industrial furnaces
- Steam boilers

Our Services

- Customized engineering
- Parts lists, documentation and CAD drawings
- Tested functioning and tightness (Factory certificate 2.1 according to EN 10204)
- Welded parts checked for strength (Inspection certificate 3.1 according to EN 10204)
- Welded seams with x-ray inspection
- Sandblasted and powder coated welded parts RAL 1003
- Worldwide shipment including all custom formalities

We offer gas trains with the following pressure ranges and nominal widths:

Pressure ranges		Nominal diameters	
Low pressure range	ND: $p_u \leq 10$ kPa	Threaded joint	Rp 1/2 - Rp 2
Medium pressure range	MD: 10 kPa < $p_u \leq 100$ kPa	Flanged joint	≥ DN 25
High pressure range	HD: $p_u > 100$ kPa	Max. nominal diameter	acc. 2014/68/EU, Cat. I & II (PS x DN < 3500)

Service

DUNGS®
Combustion Controls

DUNGS Field Service

Service Technician request

Continuous production and efficient operation can only be guaranteed through high plant availability and reliability. An effective maintenance strategy, regular servicing, and early detection of faults are crucial. Reduce unplanned downtime - take advantage of our service organization's many years of experience with gas systems, burner systems, and gas engines.

Service description

- Burner maintenance and plant optimization
- Commissioning
- Troubleshooting
- Preventive maintenance
- Retrofit
- Maintenance of Gastrains

Service-Website

DUNGS®
Combustion Controls

DUNGS Combustion Academy

Technical Training

Benefit from the expertise of our technical and product specialists and stay up to date with our technical training courses! Our face-to-face training courses provide intensive learning and industry networking at our location in Urbach near Stuttgart or at your premises. Our online training courses include both training courses in e-learning format, which allow you to gain an overview through independent learning, and live webinars, which you can attend from the comfort of your desk or on the go.

Service description

- • Specialist seminar “Industrial combustion technology and thermal process plants according to EN ISO 13577”
- • Practical training “Design, function & maintenance of components in gas systems”
- • Live webinars & digital learning content on combustion technology, applications, safety, standards & guidelines, and our products.

Academy-Website

DUNGS®
Combustion Controls

2027

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