



MBE-S



Heating Burners



Heating Boilers



Gas Engines

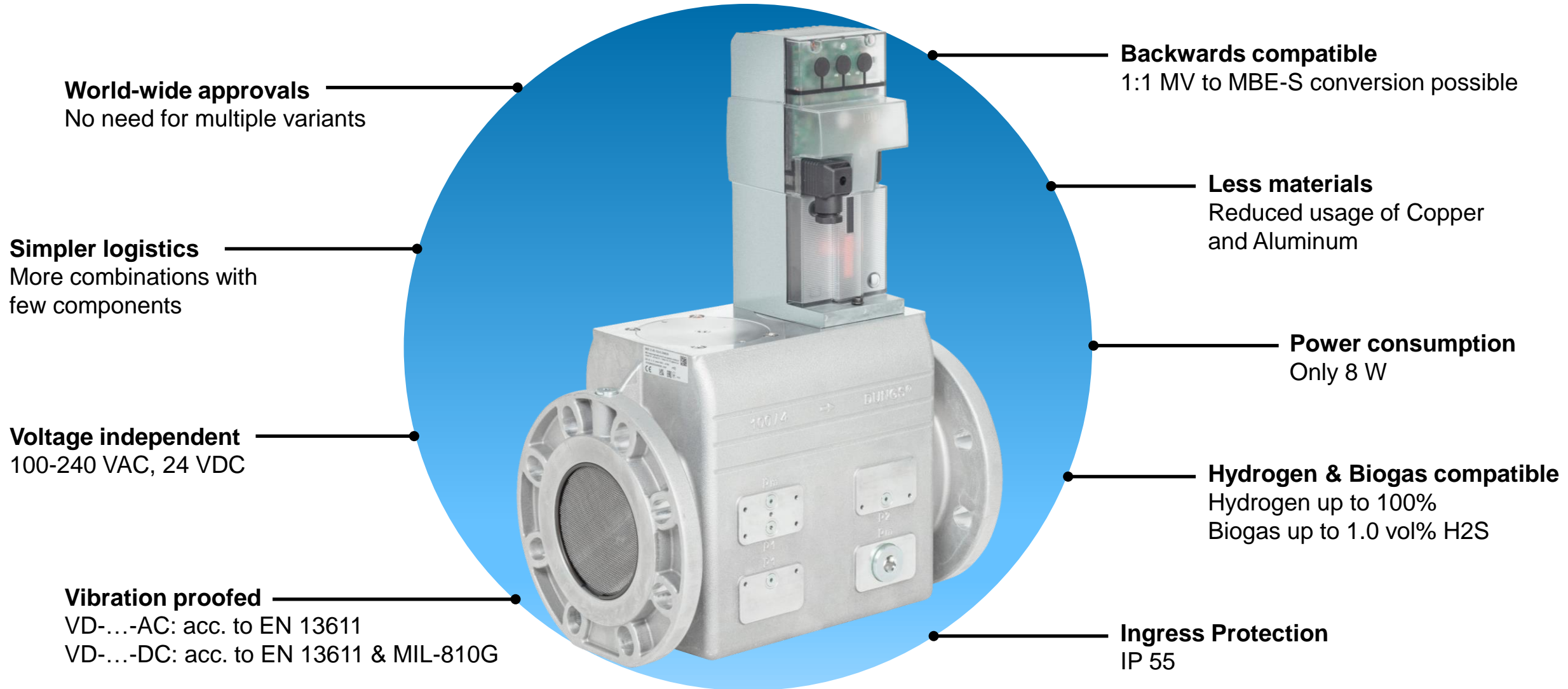


Process Heat



DUNGS®
Global Services

DUNGS®
Combustion Controls



MBE-S compared to MV

Function	MBE-S	MV
Max. operation pressure	70kPa / 700 mbar (280 "W.C.)	MV...2 --> 20 kPa / 200 mbar (80 "W.C.) MV...5 --> 50 kPa / 500 mbar (200 "W.C.)
Degree of protection	IP 55 (Standard)	IP 54 Standard IP 65 optional
Temperature	-20°C to +60°C	NBR: -15 °C to +60 °C Viton: 0 °C to +60 °C
Actuator/Coil (Voltage)	One single AC actuator for all sizes 100-240 VAC (50/60Hz) One single DC actuator for all sizes 24 VDC (± 30%)	Separate Coil for each Voltage and size 230 VAC, 110VAC (50/60Hz), 24VDC (± 15%)
Visual indicator	Yes	No
Operational signal	Blue LED	No
Closed position signal	Yes, already integrated in VD-...-POC	No
Biogas/H2S	Standard: Suitable for gases of gas families 1,2,3 100% hydrogen (dry), bio and digester gases (DVGW G 260 (A)) up to max. 1.0 vol. % H2S (dry)	MV...SG Suitable for gases of gas families 1,2,3 100% hydrogen (dry), bio and digester gases (DVGW G 260 (A)) up to max. 1.0 vol. % H2S (dry)
Soft shut off	Yes (software regulated)	No

MBE-S compared to MV

Function	MBE-S	MV
Approvals	CE, EAC, Ukr, UKCA, AGA, cULus, FM	CE, EAC, Ukr, AGA, UKCA
Flange connection	<p>Size 65, 80 & 150: One flange version. Oval holes to cover ISO and ANSI</p> <p>Size 100 & 125: Covers only ISO</p>	Covers only ISO
Flow @ dp 10 mbar (Natural Gas)	<p>MBE-S</p> <p>DN 65: 260 m3/h DN 80: 360 m3/h DN 100: 520 m3/h DN 125: 790 m3/h DN 150 970 m3/h</p> <p>MBE (2 safety valves)</p> <p>DN 65: 260 m3/h DN 80: 360 m3/h DN 100: 520 m3/h DN 125: 790 m3/h DN 150 970 m3/h</p>	<p>MV</p> <p>DN 65: 240 m3/h DN 80: 350 m3/h DN 100: 530 m3/h DN 125: 930 m3/h DN 150 1350 m3/h</p> <p>2 MVs in a row</p> <p>DN 65: 170 m3/h DN 80: 250 m3/h DN 100: 370 m3/h DN 125: 660 m3/h DN 150 960 m3/h</p>
Atex	No	Yes, MV...X

MBE-S compared to MV

Function	MBE-S	MV
Weight	DN65: 11,5 Kg/ 25,4 lbs DN80: 12,5 Kg/ 27,6 lbs DN100: 15,0 Kg/ 33,1 lbs DN125: 16,5 Kg/ 36,4 lbs DN150: 21,9 Kg/ 48,3 lbs	MVD(LE) 2... DN 065 12,7 Kg / 28,0 lbs DN 080 18,5 Kg / 40,8 lbs DN 100 31,0 Kg / 68,3 lbs DN 125 56,0 Kg / 123,5 lbs DN 150 62,0 Kg / 136,7 lbs MVD 5... DN 065 17 Kg / 37,5 lbs DN 080 27 Kg / 59,5 lbs DN 100 39 Kg / 86,0 lbs DN 125 56 Kg / 123,5 lbs DN 150 62 Kg / 136,5 lbs
Power consumption @ -230 VAC & 110 VAC 50-60Hz -24 VDC	DN65 - DN 125: 8 W	MVD(LE) 2... DN 065 100 W DN 080 80 W DN 100 100 W DN 125 90 W DN 150 90 W MVD 5... DN 065 80 W DN 080 100 W DN 100 90 W DN 125 90 W DN 150 90 W