

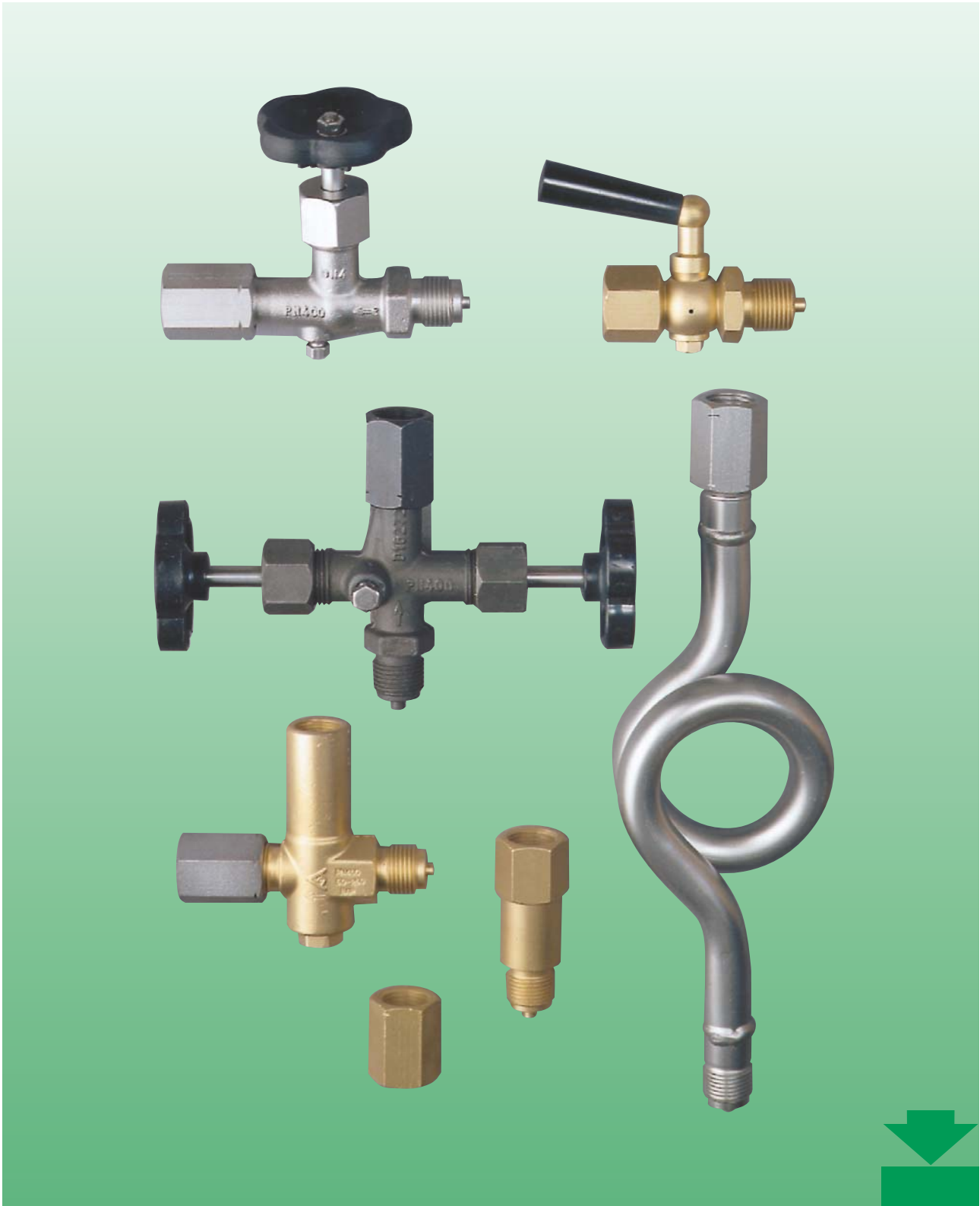


Zertifiziertes
QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Accessories for Pressure Gauges



measuring
•
monitoring
•
analysing



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Model:
Accessories

Syphons Model: MZB-705/...

Form	Connection Inlet	Connection Outlet	Operating pressure	Material	Code
DIN 16282 type A 	G 1/2 male	connector G 1/2	100 bar	steel	7078
	G 1/2 male	connector G 1/2	100 bar	st. steel 1.4571	7077
DIN 16282 type B 	Weld-on nipple	connector G 1/2	100 bar	steel	7239
	Weld-on nipple	connector G 1/2	100 bar	st. steel 1.4571	7240
DIN 16282 type C 	G 1/2 male	connector G 1/2	100 bar	steel	7076
	G 1/2 male	connector G 1/2	100 bar	st. steel 1.4571	7075
DIN 16282 type D 	Weld-on nipple	connector G 1/2	100 bar	steel	7241
	Weld-on nipple	connector G 1/2	100 bar	st. steel 1.4571	7242

Shut-off cocks Model: MZB-703/...

Type	Connection	Nom. pressure	Material	Code
Female-female DIN 16261A 	G 1/2 IG	16 bar	brass	7012
	G 1/2 IG	25 bar	brass	7013
	G 3/8 IG	16 bar	brass	7014
with test flange 60 x 25 x 10	G 1/2 IG	25 bar	brass	7015
with test flange and gland	G 1/2 IG	25 bar	brass	7016
Female-female DIN 16261B 	G 1/2 IG/AG	16 bar	brass	7017
	G 1/2 IG/AG	25 bar	brass	7018
	G 1/2 IG/AG	25 bar	st. steel	7147
with test flange 60 x 25 x 10	G 1/2 IG/AG	25 bar	brass	7019
with test flange and gland	G 1/2 IG/AG	25 bar	brass	7020
Male-female DIN 16262 	G 1/2 IG/AG	25 bar	brass	7021
	G 1/2 IG/AG	25 bar	steel	7179
	G 1/2 IG/AG	25 bar	st. steel	7059
with flange 60 x 25 x 10 DIN 16263	G 1/2 IG/AG	25 bar	brass	7060




Pertaining to commercial customs Model: MZB-705/...


Type	Connection 1	Connection 2	Operating pressure	Material	Code
U-type 	G 1/2 male	G 1/2 male	25 bar	steel	7243
	G 1/2 male	G 1/2 male	25 bar	st. steel 1.4571	7244
	G 1/2 male	connector G 1/2	100 bar	steel	7031
	G 1/2 male	connector G 1/2	100 bar	st. steel 1.4571	7249
Pig-tail type 	G 1/2 male	G 1/2 male	25 bar	steel	7245
	G 1/2 male	G 1/2 male	25 bar	st. steel 1.4571	7246
U-type 	Weld-on nipple	Weld-on nipple	25 bar	steel	7033
	Weld-on nipple	Weld-on nipple	25 bar	st. steel 1.4571	7247
Pig-tail type 	Weld-on nipple	Weld-on nipple	25 bar	steel	7032
	Weld-on nipple	Weld-on nipple	25 bar	st. steel 1.4571	7248

Valves to DIN 16270-16272 Model: MZB-704/...

Type	Connection	Nom. pressure	Material	Code
Swiveling nut - male DIN 16270 with venting type A 	G 1/2 IG/AG	250 bar	brass	7022
	G 1/2 IG/AG	400 bar	steel	7023
	G 1/2 IG/AG	400 bar	st. st. 1.4571	7024
	G 1/4 IG/AG	400 bar	st. st. 1.4571	7025
type B 	G 1/2 IG/AG	250 bar	brass	7100
	G 1/2 IG/AG	400 bar	steel	7101
	G 1/2 IG/AG	400 bar	st. st. 1.4571	7102
Swiveling nut - male DIN 16271 with test connection M20x1.5 and vent type A 	G 1/2 IG/AG	250 bar	brass	7103
	G 1/2 IG/AG	400 bar	steel	7104
type B 	G 1/2 IG/AG	250 bar	brass	7106
	G 1/2 IG/AG	400 bar	steel	7107
	G 1/2 IG/AG	400 bar	st. st. 1.4571	7108
Shut-off valve with separate shut-off test connection DIN 16272 a. test connect. M20x1.5 type A 	G 1/2 IG/AG	250 bar	brass	7152
	G 1/2 IG/AG	400 bar	steel	7153
	G 1/2 IG/AG	400 bar	st. st. 1.4571	7154
with shaft for instrument holder type B 	G 1/2 IG/AG	250 bar	brass	7155
	G 1/2 IG/AG	400 bar	steel	7156
	G 1/2 IG/AG	400 bar	st. st. 1.4571	7157

Adaptors Model: MZB-712/...






Type	Connection	Material	Code	
Union nut DIN 16284 	G 1/4 IG	brass	7528	
	G 1/2 IG	brass	7028	
	G 1/2 IG	steel	7029	
	G 1/2 IG	st. steel	7073	
Soldering con. DIN 16284 	for union nut G 1/4	brass	7530	
	for union nut G 1/2	brass	7030	
		steel	7031	
		st. steel	7074	
Type	Connection 1	Connection 2	Material	Code
Adaptor female-male 	G 1/8 IG	G 1/4 AG	brass	7267
	G 1/8 IG	G 1/2 AG	brass	7049
	G 1/8 IG	G 1/4 AG	st. steel	7134
	G 1/8 IG	G 1/2 AG	st. steel	7135
	1/8 NPT IG	1/4 NPT AG	st. steel	7112
	1/8 NPT IG	3/8 NPT AG	st. steel	7114
	G 1/4 IG	1/4 NPT AG	brass	7033
	G 1/4 IG	1/2 NPT AG	brass	7039
	G 1/4 IG	3/4 NPT AG	brass	7075
	G 1/4 IG	M10x1 AG	brass	7052
	G 1/4 IG	M12x1.5 AG	brass	7269
	G 1/4 IG	M14x1.5 AG	brass	7105
	G 1/4 IG	M16x1.5 AG	brass	7053
	G 1/4 IG	M20x1.5 AG	brass	7054
	G 1/4 IG	G 1/8 AG	brass	7268
	G 1/4 IG	G 1/4 AG	brass	7055
	G 1/4 IG	G 3/8 AG	brass	7270
	G 1/4 IG	G 1/2 AG	brass	7109
	G 1/4 IG	G 3/4 AG	brass	7076
	G 1/4 IG	1/4 NPT AG	st. steel	7034
	G 1/4 IG	1/2 NPT AG	st. steel	7046
	G 1/4 IG	3/4 NPT AG	st. steel	7077
	G 1/4 IG	M10x1 AG	st. steel	7057
	G 1/4 IG	M12x1.5 AG	st. steel	7058
	G 1/4 IG	M14x1.5 AG	st. steel	7075
	G 1/4 IG	M16x1.5 AG	st. steel	7059
	G 1/4 IG	M20x1.5 AG	st. steel	7060
	G 1/4 IG	G 1/8 AG	st. steel	7061
	G 1/4 IG	G 1/4 AG	st. steel	7032
	G 1/4 IG	G 3/8 AG	st. steel	7204
	G 1/4 IG	G 1/2 AG	st. steel	7044
	G 1/4 IG	G 3/4 AG	st. steel	7062
	1/4 NPT IG	G 1/2 AG	st. steel	7051
	1/4 NPT IG	3/8 NPT AG	st. steel	7115
1/4 NPT IG	1/2 NPT AG	st. steel	7113	
G 3/8 IG	G 1/4 AG	brass	7271	
G 3/8 IG	G 1/2 AG	brass	7272	


Type	Connection 1	Connection 2	Material	Code
A1: female A2: male 	G 1/2 IG	1/4 NPT AG	brass	7063
	G 1/2 IG	1/2 NPT AG	brass	7035
	G 1/2 IG	3/4 NPT AG	brass	7078
	G 1/2 IG	M10x1 AG	brass	7098
	G 1/2 IG	M12x1.5 AG	brass	7274
	G 1/2 IG	M16x1.5 AG	brass	7048
	G 1/2 IG	M20x1.5 AG	brass	7043
	G 1/2 IG	G 1/8 AG	brass	7064
	G 1/2 IG	G 1/4 AG	brass	7110
	G 1/2 IG	G 3/8 AG	brass	7111
	G 1/2 IG	G 1/2 AG	brass	7277
	G 1/2 IG	G 3/4 AG	brass	7273
	G 1/2 IG	G 1 AG	brass	7104
	G 1/2 IG	1/4 NPT AG	st. steel	7037
	G 1/2 IG	3/8 NPT AG	st. steel	7041
	G 1/2 IG	1/2 NPT AG	st. steel	7036
	G 1/2 IG	3/4 NPT AG	st. steel	7079
	G 1/2 IG	7/16 UNF AG	st. steel	7042
	G 1/2 IG	M10x1 AG	st. steel	7097
	G 1/2 IG	M12x1.5 AG	st. steel	7065
	G 1/2 IG	M14x1.5 AG	st. steel	7317
	G 1/2 IG	M16x1.5 AG	st. steel	7066
	G 1/2 IG	M20x1.5 AG	st. steel	7050
	G 1/2 IG	G 1/8 AG	st. steel	7067
	G 1/2 IG	G 1/4 AG	st. steel	7140
	G 1/2 IG	G 3/8 AG	st. steel	7205
	G 1/2 IG	G 1/2 AG	st. steel	7045
	G 1/2 IG	G 3/4 AG	st. steel	7047
	G 1/2 IG	G 1 AG	st. steel	7040
1/2 NPT IG	3/4 NPT AG	st. steel	7116	
1/2 NPT IG	1 NPT AG	st. steel	7117	
G 1/2 IG	G 3/4 AG	steel	7316	
G 3/4 IG	G 1/4 AG	brass	7311	
G 3/4 IG	G 1/2 AG	brass	7276	
G 1 IG	G 1/2 AG	st. steel	7038	
G 1 1/4 IG	G 1/2 AG	st. steel	7072	
M20x1.5 IG	G 1/2 AG	brass	7275	
M20x1.5 IG	G 1/2 AG	st. steel	7307	
Self-sealing connecting nipple	G 1/4 IG	G 3/8 AG	brass	7125

Adaptors for Diaphragm seals DRM-600

DRM-female-male	G 3/4 IG	G 1/2 AG	st. steel	7118
	G 1 IG	G 1/2 AG	st. steel	7119
	G 1 1/4 IG	G 1/2 AG	st. steel	7120

Adaptor Model: MZB-712/...


Type	Connection 1	Connection 2	Material	Code
Female-female 2 x G right thread 	G 1/4 IG	G 1/4 IG	brass	7131
	G 1/4 IG	G 1/4 IG	steel	7132
	G 1/4 IG	G 1/4 IG	st. steel	7133
	G 1/2 IG	G 1/2 IG	brass	7094
	G 1/2 IG	M20x1.5 IG	brass	7126
	G 1/2 IG	G 1/2 IG	steel	7095
	G 1/2 IG	M20x1.5 IG	steel	7093
	G 1/2 IG	G 1/2 IG	st. steel	7096
Span female DIN 16283 right/left thread 	G 1/2 IG	G 1/2 IG LH	brass	7278
	G 1/2 IG	G 1/2 IG LH	steel	7279
	G 1/2 IG	G 1/2 IG LH	st. steel	7280
	G 1/2 IG	M20x1.5 IG LH	brass	7313
	M20x1.5 IG	G 1/2 IG LH	st. steel	7314
Type	Connection	Tube	Material	Code
Hose coupling with union nut 	G 1/4 IG	6 mm I. Weite	brass	7087
	G 1/2 IG	6 mm I. Weite	brass	7088
	G 1/4 IG	6 mm I. Weite	st. steel	7089
	G 1/2 IG	6 mm I. Weite	st. steel	7090
Hose coupling with male thread 	G 1/4 AG	6 mm I. Weite	brass	7178
	G 1/2 AG	6 mm I. Weite	brass	7069
Pneumatic hose connection	G 1/4 IG	pipe 6x4	st. steel	7101
	G 1/4 IG	pipe 8x6	st. steel	7102
	G 1/4 IG	pipe 10x8	st. steel	7103
	G 1/2 IG	pipe 6x4	brass	7106
	G 1/2 IG	pipe 8x6	brass	7107
	G 1/2 IG	pipe 10x8	brass	7108
Type	Connection	Nom. pressure tube Ø	Material	Code
Connection with compression ring 	G 1/4 IG	600 bar/6 mm	st. steel	7080
	G 1/4 IG	600 bar/8 mm	st. steel	7091
	G 1/4 IG	600 bar/10 mm	st. steel	7092
	G 1/4 IG	600 bar/12 mm	st. steel	7099
	G 1/2 IG	600 bar/4 mm	steel	7100
	G 1/2 IG	600 bar/6 mm	steel	7081
	G 1/2 IG	600 bar/6 mm	st. steel	7082
	G 1/2 IG	600 bar/8 mm	steel	7083

Type	Connection	Nom. pressure pipe Ø	Material	Code
Connection with compression ring 	G 1/2 IG	600 bar/8 mm	st. steel	7084
	G 1/2 IG	600 bar/10 mm	steel	7085
	G 1/2 IG	600 bar/10 mm	st. steel	7086
	G 1/2 IG	600 bar/12 mm	steel	7266
	G 1/2 IG	600 bar/12 mm	st. steel	7281
	G 1/4 AG	600 bar/6 mm	st. steel	7070
	G 1/2 AG	600 bar/6 mm	st. steel	7071
	Type	Connection 1	Connection 2	Material
Male-male	G 1/4 AG	G 1/4 AG	brass	7128
	G 1/4 AG	G 1/4 AG	steel	7129
	G 1/4 AG	G 1/4 AG	st. steel	7130
	G 1/2 AG	G 1/2 AG	brass	7305
	G 1/2 AG	G 1/2 AG	steel	7304
	G 1/2 AG	G 1/2 AG	st. steel	7068
Tube double nipple Ø 33.8 mm s = 2.8 mm	2 x G 1 AG L = 60 mm		st. steel	7138
	2 x G 1 AG L = 80 mm		st. steel	7139
Tube welded nipple s = 2,4 mm L = 60 mm	G 3/4 AG	Ø 26.9 mm	st. steel	7136
Tube welded nipple s = 2,8 mm L = 60 mm	G 1 AG	Ø 33.8 mm	st. steel	7137

Adaptors for Syphons

Male	G 1/2 AG	Ø 14.7 mm	steel	7122
	G 1/2 AG	Ø 14.7 mm	st. steel	7124
Male LH	G 1/2 AG LH	Ø 14.7 mm	steel	7121
	G 1/2 AG LH	Ø 14.7 mm	st. steel	7123

Instrument holder Model: MZB-709/...

Type	Length	Material	Code
DIN 16286 	60 mm	aluminium	7034
	100 mm	aluminium	7035
	160 mm	aluminium	7071
	60 mm	st. steel	7132
	100 mm	st. steel	7133
	160 mm	st. steel	7134

Valve adaptor R DIN 16281 Model: MZB-708/...

Type	Connection	Material	Code
	G 1/2 IG/AG	brass	7036
	G 1/2 IG/AG	steel	7037
	G 1/2 IG/AG	st. steel	7038

Throttle, adjustable Model: MZB-706/...

Type	Connection	PN (bar)	Material	Code
	G 1/4 IG/AG	250	brass	7072
	G 1/2 IG/AG	250	brass	7025
	G 1/2 IG/AG	600	steel	7026
	G 1/2 IG/AG	600	st. steel	7027

Pressure impact damper DSD Model: MZB-706/...

Form	Connection	Nom. pressure	Material	Code
	G 1/4 IG/AG	315	brass	7001
	G 1/4 IG/AG	1000	st. steel	7002
	G 1/2 IG/AG	250	brass	7003
	G 1/2 IG/AG	1000	st. steel	7004

Capillary throttle for damping Model: MZB-706/...

Type	Connection	Length	Material	Code
	G 1/2 IG/AG	0.25 m	Ms/Cu	7079
	G 1/2 IG/AG	0.50 m	Ms/Cu	7080
	G 1/2 IG/AG	0.75 m	Ms/Cu	7165
	G 1/2 IG/AG	0.25 m	Ms/Cu	7064
	G 1/2 IG/AG	0.50 m	Ms/Cu	7065
	G 1/2 IG/AG	0.75 m	Ms/Cu	7066
	G 1/2 IG/AG	1.00 m	Ms/Cu	7067
Filter	-	-	Cu alloy	7097

Protection cap Model: MZB-707/...

Type			Nom diameter	Code
	-	-	63	7148
	-	-	100	7149

Seals Model: MZB-713/...

Type	for thread	Material	Code
	G 1/4	Cu	7061
	G 1/4	IT	7043
	G 1/4	PTFE	7042
	G 1/2	Cu	7040
	G 1/2	IT	7041
	G 1/2	PTFE	7039
Pressure gauge seal	G 1/4	Cu	7098
	G 1/2	Cu	7062

Overpressure protection equipment (adjustable) Model: MZB-714/...

Type	Range of adjustment in bar	Valve body brass, piston st. steel 1.4301 Code	Valve body brass, piston st. steel 1.4301 Code
	0.4 - 2.5	7115	7121
	2 - 6	7116	7122
	5 - 25	7117	7123
	20 - 60	7118	7124
	50 - 250	7119	7125
	240 - 400	7120	7126

Accessories / repair Model: MZB-725/...

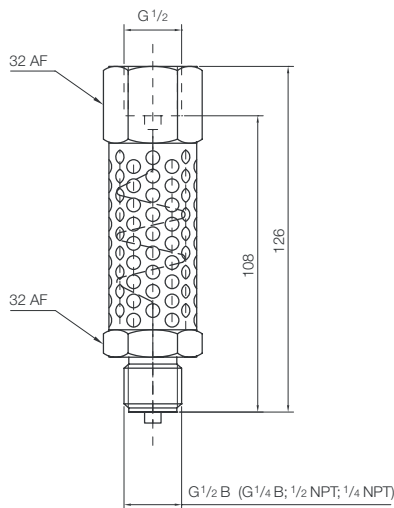
Description	Version	Code
Contact key for adjustment	PA 6	KVS1
Replacement glass for st. steel housing NG 100 mm	Mineral glass	0100
Replacement glass st. steel housing NG 160 mm	Mineral glass	0160
100 mm glass with contact pivot	PC	K100
160 mm glass with contact pivot	PC	K160
Glycerine	1 L bottle	0G10
Paraffin oil	1 L bottle	0P10
Silicone oil	1 L bottle	0S10

Power supply for the Top hat rail mounting Model: MZB-NSF 030

Input:	230 V _{AC}
Output:	24 V _{DC} / 500 mA, short-circuit-proof
Screw terminals	

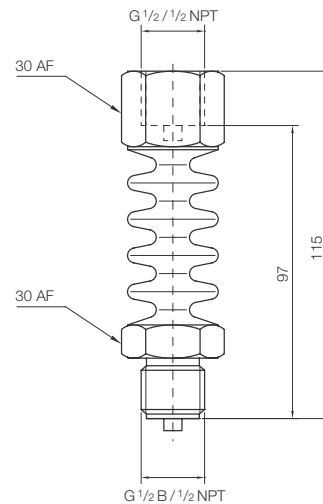
Multipart design

- Very good cooling effect
- Perforated sheet body transmits little heat
- $t_{max} = 450\text{ }^{\circ}\text{C}$
- PN 600 (temperature-dependent)
- All parts are made of 1.4571 stainless steel
- Pressure transmission with a capillary line (inner \varnothing 1.0 mm), that in addition balances out the pulsation of the measured pressure
- Also for direct mounting of diaphragm seals ($t_{max} = 350\text{ }^{\circ}\text{C}$)

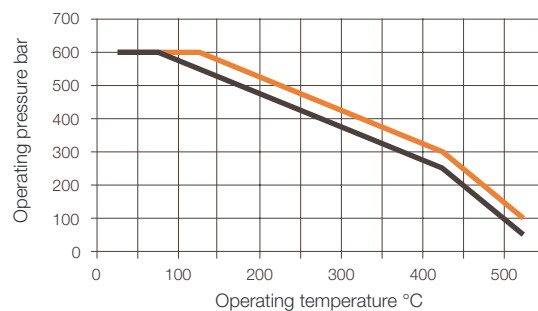
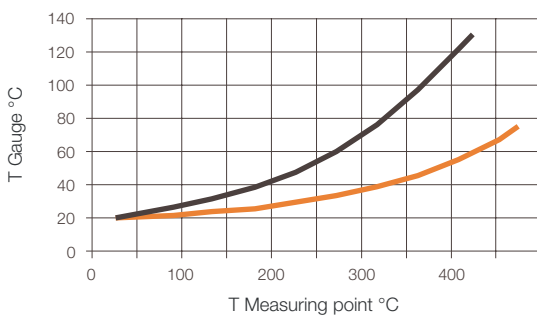


One-part design

- Good cooling effect
- Optimum ration of surface to geometry
- $t_{max} = 300\text{ }^{\circ}\text{C}$
- PN 600 (temperature-dependent)
- Body made of 1.4571 stainless steel
- Pressure transmission with tube diameter (inner \varnothing 3.5 mm), thus no change in reaction time
- Cheaper version
- for use with high viscosity media



Temperature drift (guide value for cooling effect) and range of use (rated pressure)



— MZB-711.7221 to MZB-711.7224 = multipart design
— MZB-711.7225 and MZB-711.7226 = one-part design

Order Details

Model	Connection measuring device	Process connection
MZB-711.7221	G 1/2 IG	G 1/4 AG
MZB-711.7222	G 1/2 IG	G 1/2 AG
MZB-711.7223	G 1/2 IG	1/4 NPT AG
MZB-711.7224	G 1/2 IG	1/2 NPT AG

Model	Connection measuring device	Process connection
MZB-711.7225	G 1/2 IG	G 1/2 AG
MZB-711.7226	1/2 NPT IG	1/2 NPT AG

Other connections upon request.