

Pressure gauge shut-off valves DIN 16270/DIN 16271

up to 400 bar

Application: Pressure gauge shut-off valves are used to protect pressure gauges against spikes in pressure and vibrations. Setting the valve to throttle can cushion spikes in pressure and vibrations, and separate the measuring device from the supply line completely. A bleed screw can be used to release pressure from the gauge. Otherwise, no pressure is released from the gauge while the valve is closed. For low pressures and non-aggressive substances, we recommend using pressure gauge stop cocks.

Materials: Seals: PTFE, hand wheel plastic

Temperature range: -10°C to max. +120°C (type AISI 316Ti: -20°C to max. +200°C), higher temperatures are possible at reduced pressures

Type AISI 316Ti	Type steel	PN	Gauge port (FT)	Pressure input	Test connection	Standard
Clamping socket* - clamping socket*						
MAV 14 SMSM ES	---	250 bar	G 1/4"	G 1/4"	---	---
MAV 12 SMSM ES	MAV 12 SMSM ST	400 bar	G 1/2"	G 1/2"	---	DIN 16270 A
Clamping socket* - pin**						
MAV 12 SMZ ES	MAV 12 SMZ ST	400 bar	G 1/2"	G 1/2"	---	DIN 16270 A
MAV 12 SMZP ES	MAV 12 SMZP ST	400 bar	G 1/2"	G 1/2"	60 x 25 x 10	DIN 16271 A
MAV 12 SMZP2 ES	MAV 12 SMZP2 ST	400 bar	G 1/2"	G 1/2"	M 20 x 1.5	DIN 16271 A
Rotatable sleeve - pin with shaft for mounting bracket**						
MAV 12 SMZM ES	MAV 12 SMZM ST	400 bar	G 1/2"	G 1/2"	---	DIN 16270 B
MAV 12 SMZMP ES	MAV 12 SMZMP ST	400 bar	G 1/2"	G 1/2"	60 x 25 x 10	DIN 16271 B
MAV 12 SMZMP2 ES	MAV 12 SMZMP2 ST	400 bar	G 1/2"	G 1/2"	M 20 x 1.5	DIN 16271 B

* the clamping socket is equipped with a left-hand and right-hand thread and allows the measuring device to be positioned freely.

It functions similarly to a union nut with a flat seal. The clamping socket is available in AISI 304 for stainless steel valves. The pressure gauge gasket must be ordered separately, ** male thread with centring pin for profiled seal



clamping socket - clamping socket



clamping socket - pin



rotatable sleeve - pin with shaft for mounting bracket



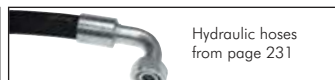
test connection 60 x 25 x 10



test connection M 20 x 1.5



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Mounting brackets DIN 16281

Materials: AISI 316Ti, aluminum, painted black

Measuring instrument mounting: Ø 26, wall bracket with triangular base plate

Type AISI 316Ti	Type aluminium	L
MGH 2660 ES	MGH 2660 A	60
MGH 26100 ES	MGH 26100 A	100
MGH 26160 ES	MGH 26160 A	160

Pressure gauge extension pieces w/ pins and shafts for mounting brackets DIN 16281

Type brass	PN	Type AISI 316Ti	Type steel	PN	Length over all	Thread female	Thread male
MZS 1212 MS	250 bar	MZS 1212 ES	MZS 1212 ST	400 bar	70	G 1/2"	G 1/2"

* with centring pin for profiled seal

Pressure gauge couplings (to screw on a screw connection)

Type zinc-plated steel	Type AISI 316Ti	Tube Ø external	Thread female
Light model series			
MAV EV 6 LR	MAV EV 6 LR ES	6 L	G 1/4"
MAV EV 8 LR	MAV EV 8 LR ES	8 L	G 1/4"
MAV EV 10 LR	MAV EV 10 LR ES	10 L	G 1/4"
MAV EV 12 LR	MAV EV 12 LR ES	12 L	G 1/4"
Heavy model series			
MAV EV 6 SR	MAV EV 6 SR ES	6 S	G 1/2"
MAV EV 8 SR	MAV EV 8 SR ES	8 S	G 1/2"
MAV EV 10 SR	MAV EV 10 SR ES	10 S	G 1/2"
MAV EV 12 SR	MAV EV 12 SR ES	12 S	G 1/2"

Pressure gauge couplings with sealing cones (to screw on a screw connection)

Type zinc-plated steel	Type AISI 316Ti	Tube Ø external	Thread female
Light model series			
MAVE 6 LR	MAVE 6 LR ES	6 L	G 1/4"
MAVE 8 LR	MAVE 8 LR ES	8 L	G 1/4"
MAVE 10 LR	MAVE 10 LR ES	10 L	G 1/4"
MAVE 12 LR	MAVE 12 LR ES	12 L	G 1/4"
Heavy model series			
MAVE 6 SR	MAVE 6 SR ES	6 S	G 1/2"
MAVE 8 SR	MAVE 8 SR ES	8 S	G 1/2"
MAVE 10 SR	MAVE 10 SR ES	10 S	G 1/2"
MAVE 12 SR	MAVE 12 SR ES	12 S	G 1/2"

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.

