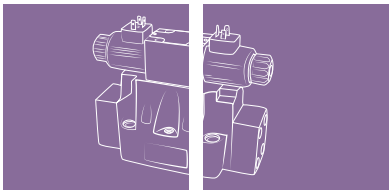
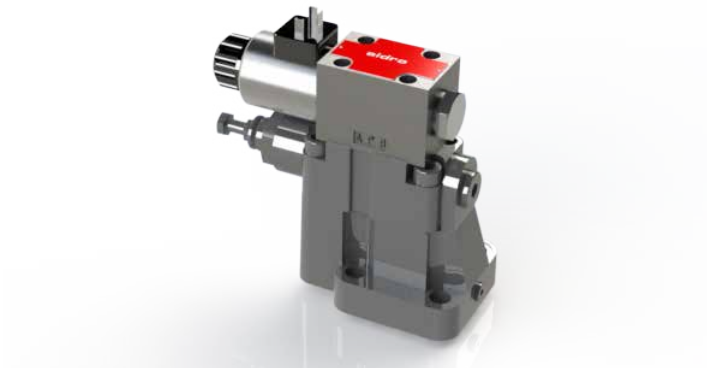


PRESSURE RELIEF VALVE WITH UNLOADING AND PRESSURE SELECTION
GMG-*/40
500 l/min 35 MPa (350 bar)

1 DESCRIPTION

Solenoid pressure relief valve with unloading and pressure selection. There are three different sizes for flow rates up to 500 l/min and 5 different configurations which permit a wide range of hydraulic configurations. The pilot valve is a CETOP 3 HD3-ES valve.



2 ORDERING CODE

(1)		(2)		(3)		(4)		(5)		(6)		(7)
GMG	-		-		/		/		/		/	40

(1) GMG : Pressure relief valve pilot operated

(2) Nominal dimensions:
- 10 : CETOP R06 : max flow rate 200 l/min
- 20 : CETOP R08 : max flow rate 400 l/min
- 32 : CETOP R10 : max flow rate 500 l/min

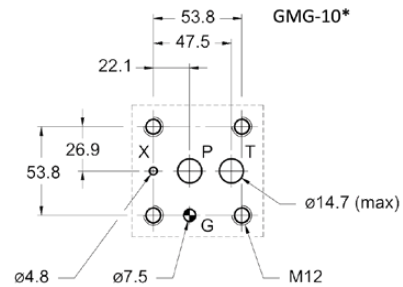
(3) Subplate mounting: H

(4) Versions A, B, C, D, G (see 5)

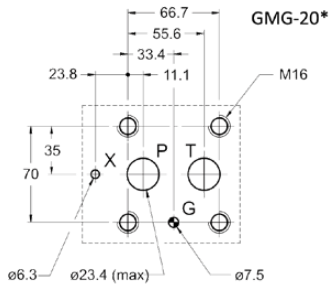
(5) Pressure:
- 20 : 5 - 210 bar
- 32 : 10 - 350 bar

(6) Electric voltage and solenoid coils (DIN 43650-A ISO 4400)
- 012C : coils for V12DC
- 024C : coils for V24DC
- 115A : coils for V110/50 – V 115/60 AC
- 230A : coils for V220/50 – V 230/60 AC

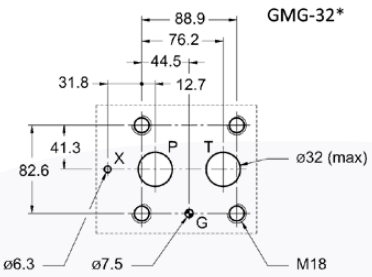
(7) Series number



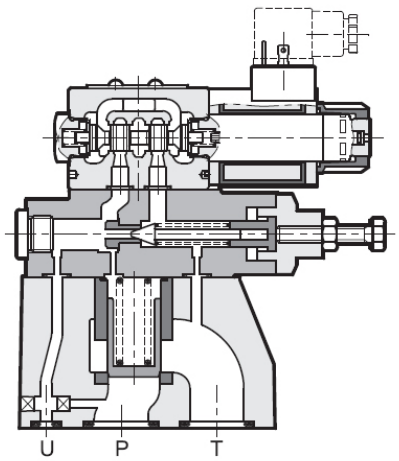
ISO 6264-06-09-*-97 (CETOP 4.4.2-2-R06-350)



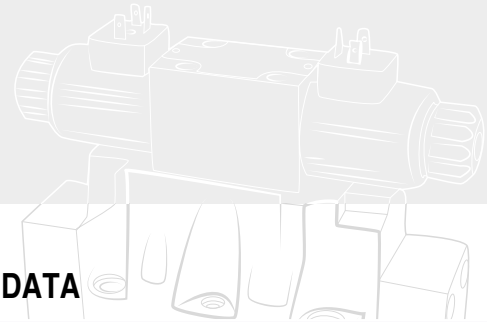
ISO 6264-08-13-*-97 (CETOP 4.4.2-2-R08-350)



ISO 6264-10-17-*-97 (CETOP 4.4.2-2-R10-350)



GMG*-/40 are pilot operated pressure relief valves, available in 5 versions and up to 3 selections of pressure values. In order to set the 2nd and 3rd value, a pressure relief valve must be placed between the main body and the solenoid valve. Valves are normally supplied with a hexagonal head adjustment screw (SIC BLOC adjustment knob on the mainpressure control is available upon request)



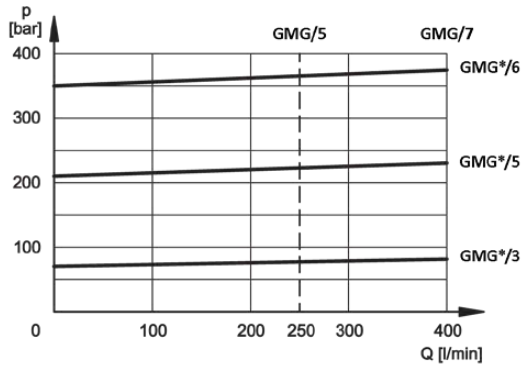
3 TECNICAL DATA

Max. flow	up to 500	Hydraulic fluids:
Max. nominal pressure	35 MPa (350 bar)	Seals and materials used on standard valves GMG*/40 are fully compatible with hydraulic fluids of mineral base, upgraded with antifoaming and anti oxidizing agents. The hydraulic fluid must be kept clean and filtered to ISO 4406 class 19/17/14, or better, and used in a recommended viscosity range from 10 cSt to 60 cSt.
Ambient T	-20 + 50 °C	
Fluid T range	-20 + 80 °C	
Fluid viscosity range	10 - 400 cSt	
Recommended viscosity	10 cSt - 60 cSt	

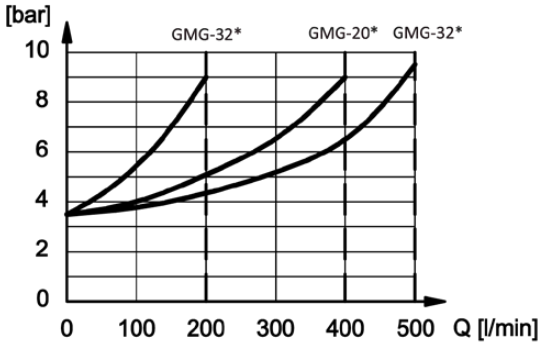
4 TYPICAL DIAGRAMS

Typical P-Q curves for valves GMG*/40 are obtained with mineral oil at viscosity 36 cSt at T = 50 °C.

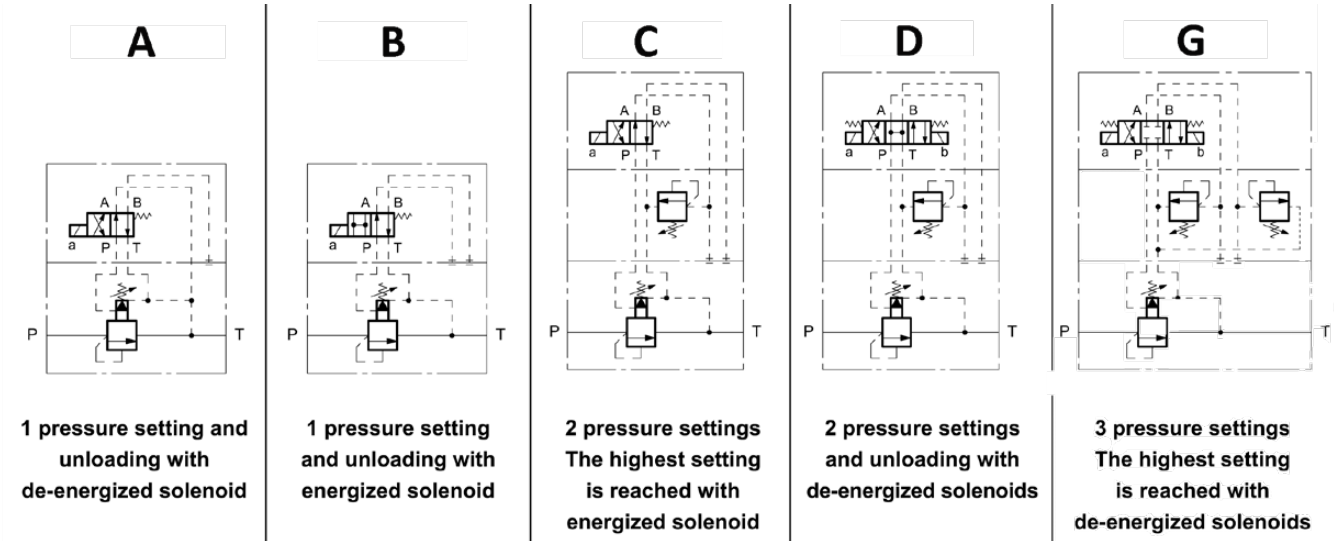
ADJUSTMENT



MINIMUM CONTROLLED PRESSURE



5 VERSIONS

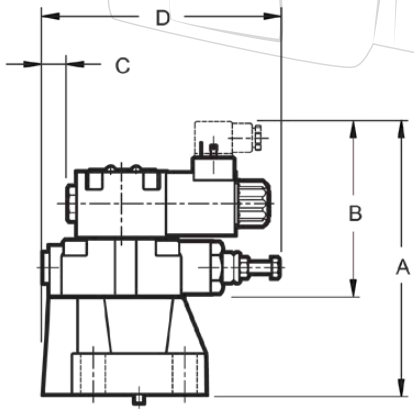


6 HYDRAULIC FLUIDS

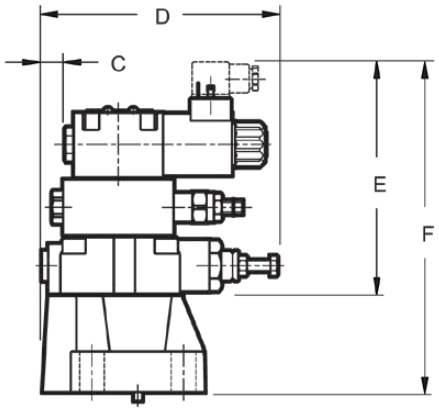
Seals and materials used on standard valves GMG*/40 are fully compatible with hydraulic fluids of mineral base, upgraded with antifoaming and anti oxidizing agents. The hydraulic fluid must be kept clean and filtered to ISO 4406 class 19/17/14, or better, and used in a recommended viscosity range from 10 cSt to 60 cSt.

7 INSTALLATION DIMENSIONS (mm)

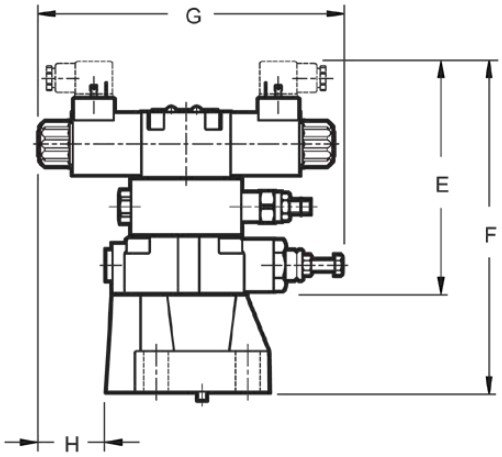
dimentions are in mm



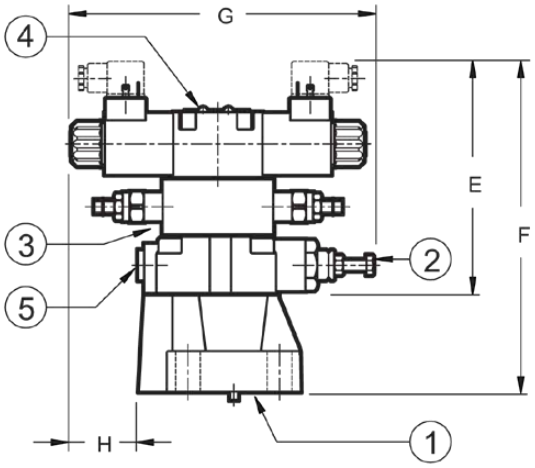
GMG*/A
GMG*/B



GMG*/C



GMG*/D



GMG*/G

	A	B	C	D	E	F	G	H
GMG-10*	186	126	22	179	164	226	223	44
GMG-20*	192	126	14	170	164	236	222	52
GMG-32*	206	126	25	180	164	246	221	41

8 FASTENING BOLTS AND SEALING RINGS

	GMG-10*	GMG-20*	GMG-32*
Fastening (4bolts)	M 12x40	M 16x50	M 18x60
Torque	69 Nm	170 Nm	235 Nm
Sealing rings	2 OR type 123 1 OR type 109	2 OR type 3118 1 OR type 109	2 OR type 4137 1 OR type 109