

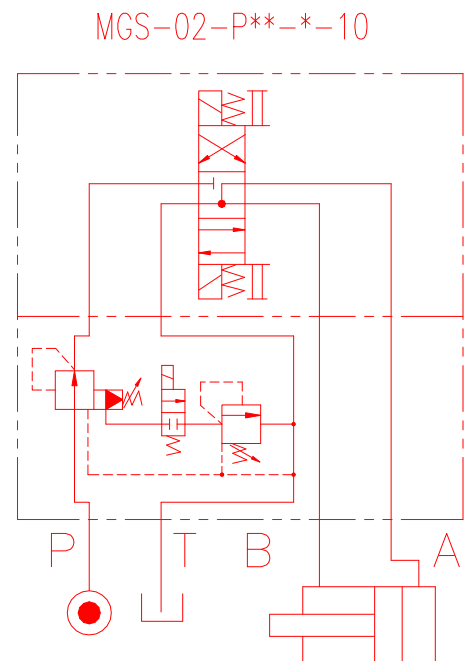
Characteristics

- Highest performance in NG 6.
- Pressure reducing valve for two press setting.
- Sandwich plate design.
- 2 pressure adjusting ranges.
- Connections to DIN, ISO and CETOP.

Specification

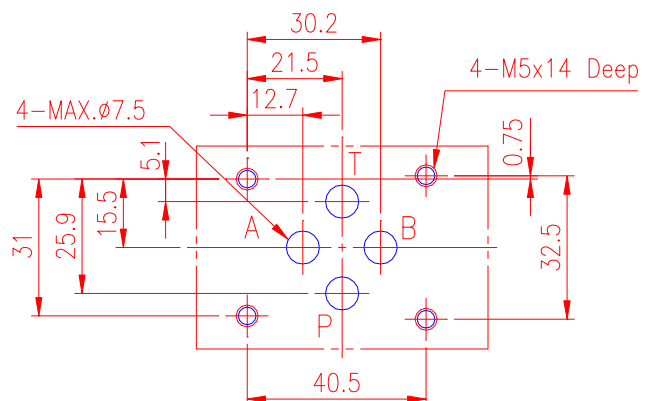
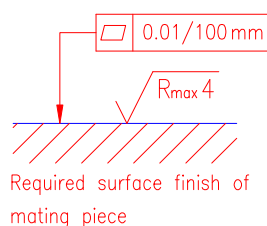
Maximum flow	40 l/min{10.6 GPM}	
Maximum operating pressure	250 bar{3571 PSI}	
Pressure adjusting range	00	HIGH : 1.5 ~ 35 bar
		LOW : 1.5 ~ 35 bar
	10	HIGH : 7 ~ 70 bar
		LOW : 1.5 ~ 35 bar
21	HIGH : 7 ~ 140 bar	
	LOW : 7 ~ 70 bar	
Ambient temperature range	-20°C~+50°C	
Hydraulic fluid temperature	-20°C~+70°C	
Viscosity range	15~400mm ² /s	
Hydraulic oil	ISO VG 32,46,68	
Fluid cleanliness	NAS Class 10 MAX.	
Mounting pattern	ISO 4401-AB-03-4-A	
Valve fixing screws	M5x135Lx4 pcs.	
Weight	DC type	4.8 kg
	AC type	4.7 kg

Hydraulic Configuration



Installation Dimensions

(Machined valve mounting face with position of ports)



Ordering Code

M GS - 02 - P 2 1 - DC24 - 10 - **

1 2 3 4 5 6 7 8

8 Optional Inquiry

7 Design Number

10: with handle

6 Electric Power Source Indication

A110: AC100V,50/60Hz, AC110V,60Hz; DC12: DC12V;
A120: AC110V,50Hz, AC120V,60Hz; DC24: DC24V;
A220: AC200V,50/60Hz, AC220V,60Hz;
A240: AC220V,50Hz, AC240V,60Hz;

5 Pressure Adjusting Range

00: High pressure: 1.5 ~ 35 bar; Low pressure: 1.5 ~ 35 bar
10: High pressure: 7 ~ 70 bar; Low pressure: 1.5 ~ 35 bar
21: High pressure: 7 ~ 140 bar; Low pressure: 7 ~ 70 bar

4 Configuration

P: reduced pressure on P port

3 Nominal valve size

Nominal valve size: NG 6,CETOP 3 and ISO 4401-03

2 Pressure Reducing Valve for Two Press Setting

1 Sandwich Plate Design

Features of Electro-magnetic Coil

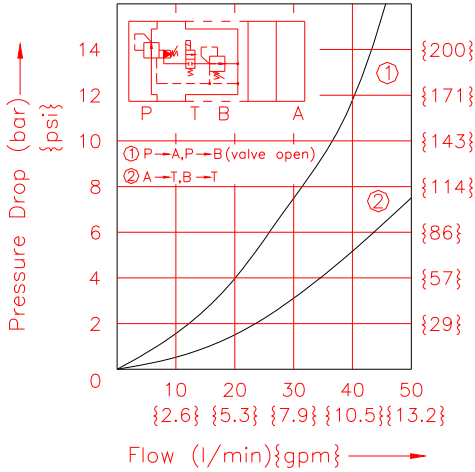
Solenoid Classification	Power Source	Voltage (v)	Frequency (Hz)	Inrush Current (A)	Holding Current (A)	Holding Power (W)	Permissible Voltage (V)	Insulation Grade	Coil Insulation Class	Insulation Resistance (MΩ)
AC	A110	100	50	2.22	0.44	25.2	90~110	B	H (180°C)	>50
		110	60	2.29	0.4	24	100~120			
	A120	110	50	2.08	0.43	26.4	100~120			
		120	60	2.06	0.38	23.8	110~130			
	A220	200	50	1.26	0.29	32	180~220			
		220	60	1.12	0.25	24.4	200~240			
A240	220	50	0.9	0.19	24.8	200~240				
	240	60	0.87	0.17	21.6	220~260				
DC	DC12	12	-	-	1.91	22	11~13	B	H (180°C)	>50
	DC24	24	-	-	1.12	26.5	22~26			

Performance Curves

Viscosity of Hydraulic Fluid: 32 mm²/s

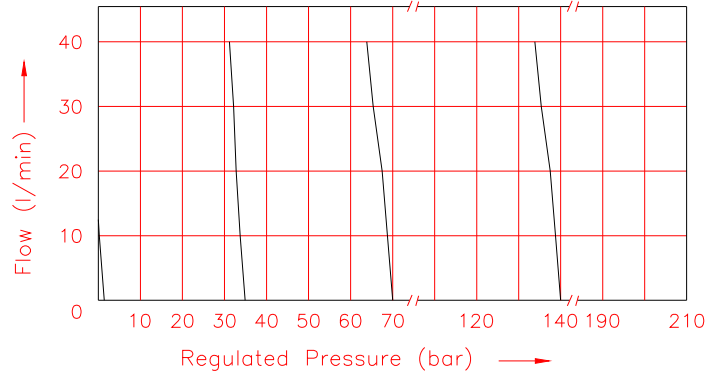
Pressure Drop Characteristic

MGS-02-P10-* -10



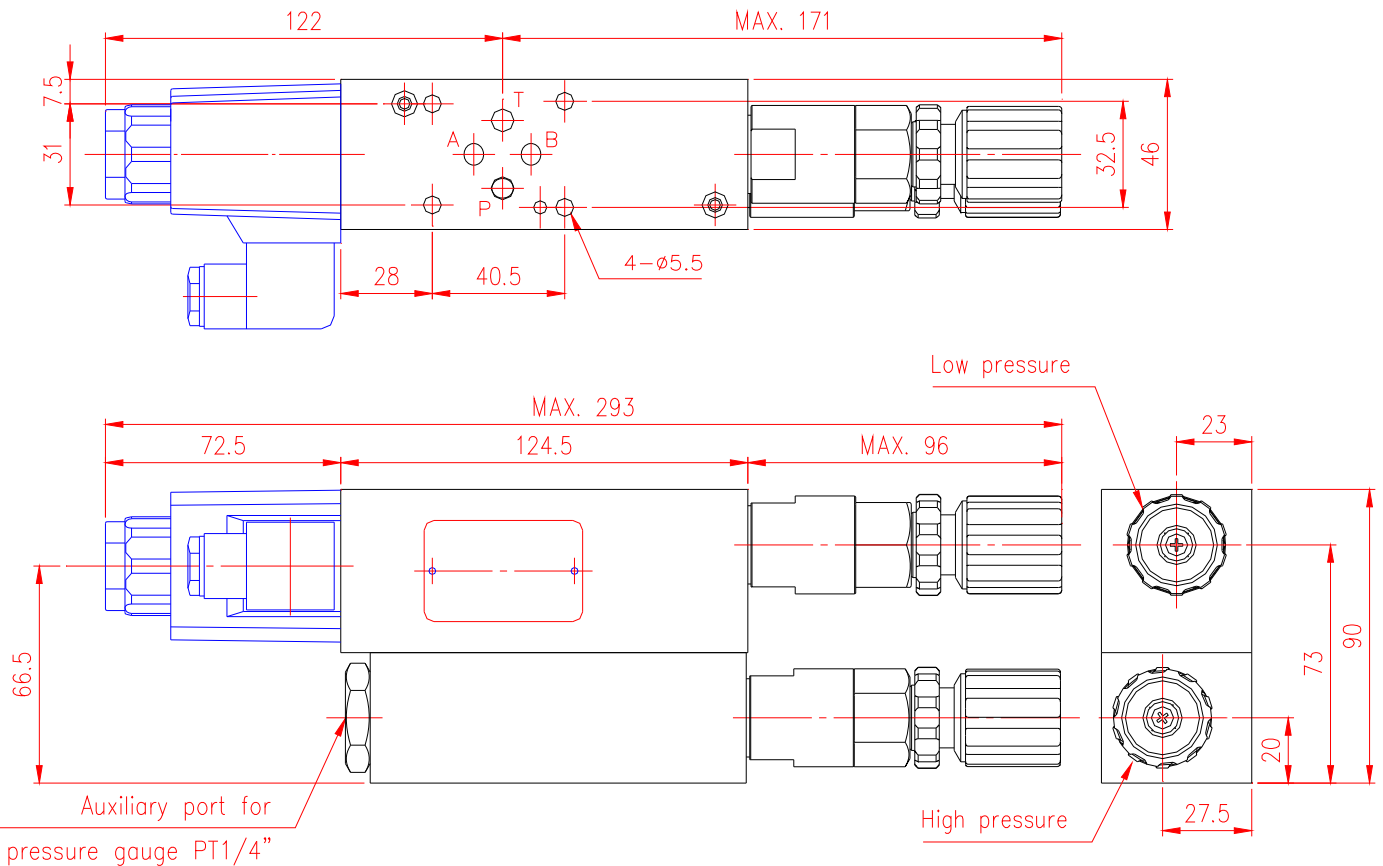
Regulated Pressure Versus Flow Diagram

MGS-02-P**-* -10



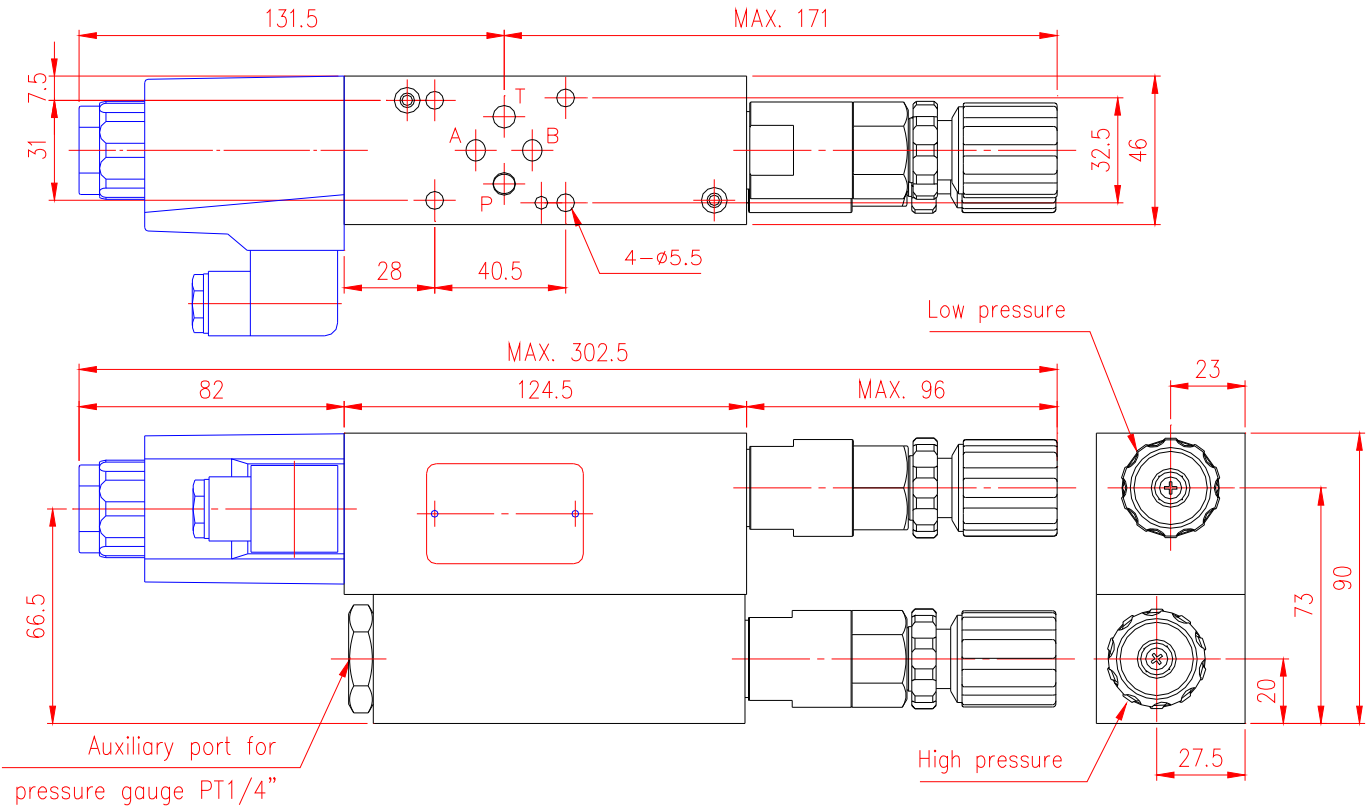
Dimensions

MGS-02-P** -A* -10



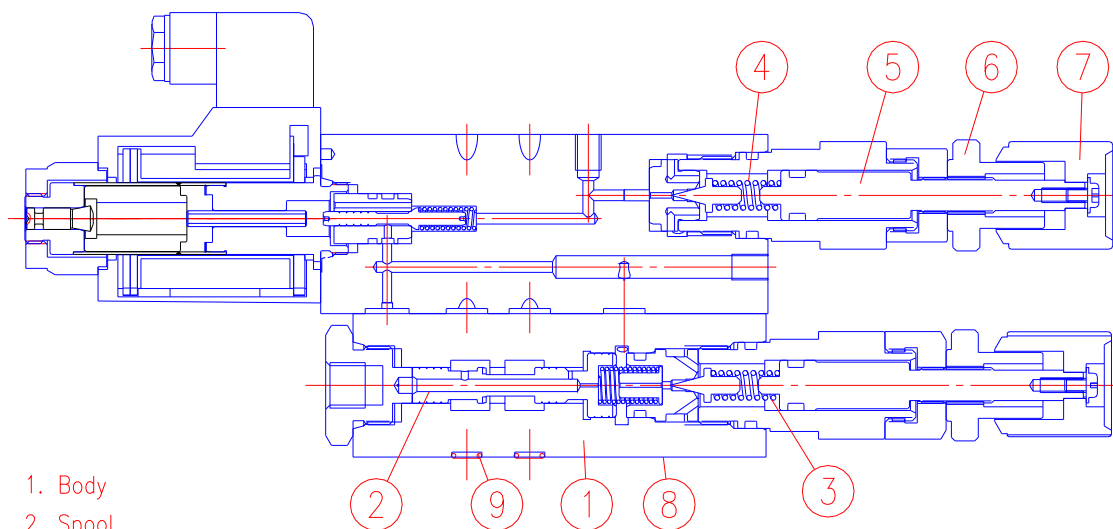
Dimensions

MGS-02-P**-D*-10



Cross Section Diagram

MGS-02-P**-D*-10



- 1. Body
- 2. Spool
- 3. Adjustment spring 1
- 4. Adjustment spring 2
- 5. Setting screw
- 6. Locking nut
- 7. Adjustment element
- 8. Connections to DIN 24340 from A6; valve fixing screws M5 DIN 912-10.9, tightening torque 8~9 Nm
- 9. O-ring 1B-P9 for ports A,B,P and T