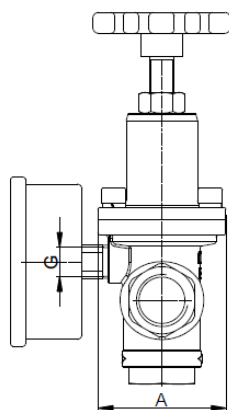
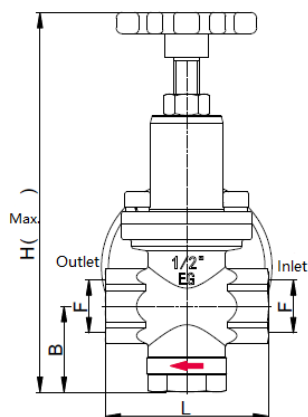




DP-40 General Purpose Pressure Reducing Valve (SS304)

■ Application

This type of pressure reducing valve is used to reduce and regulate pressure in fluid systems, maintaining a relatively stable outlet pressure; it is suitable for various liquids and gases, such as water, oil, steam, and air.



■ Features

- High flow capacity; suitable for high-viscosity fluids such as oils and coatings.
- Balanced poppet design minimizes the impact of inlet pressure fluctuations on outlet pressure.
- Four pressure adjustment ranges available: Types X, A, and B feature a diaphragm design, while Type C utilizes a piston design.
- Selecting an adjustment range close to the target set pressure ensures greater output pressure stability during flow rate changes.
- When the downstream side may be shut off or experience extremely low flow, the outlet piping requires a discharge branch to allow for the reduction of outlet pressure.

■ Specifications

Model		DP-40	
Max. inlet pressure		25 Bar	40 Bar
Reduced pressure		X: 0.3~3 bar A: 0.5~6 bar B: 0.5~12 bar	C: 3~30 bar
End connection		G, BSPT, NPT SCREW	
Materials	Body	SS304/CF8	
	Diaphragm & seal	N(NBR): -30°C~+80°C	-35°C~+100°C
		F(FPM): -20°C~+130°C	-25°C~+180°C
		E(EPDM): -35°C~+110°C	-45°C~+130°C
Pressure Gauge		60mm O.D. Vibration-Resistant Type (SUS Case, Copper Internals)	
Body Hydraulic Test		1.5 times of applicable pressure	

*NBR: Suitable for non-corrosive liquids or gases, such as water, oil, and air.

FPM: Resistant to acids, alkalis, and benzene compounds; suitable for most media; not resistant to ammonia.

EPDM: Suitable for ammonia, water vapor, alcohols, ketones, and aldehydes; not resistant to mineral oil.

■ Dimensions

Size	F	L	A	B	H	G	WT
15	1/2"	65	52	35	(155) 170	G1/4"	
20	3/4"	74	52	36	(163) 176	G1/4"	
25	1"	85	64	41	(184) 201	G1/4"	
32	1-1/4"	100	70	49.5	(220) 245	G1/4"	
40	1-1/2"	115	85	57.5	(240) 272	G1/4"	
50	2"	145	106	72	(305) 337	G1/4"	

*Data in parentheses apply to the X-type (0.3~3 bar).

■ Order Code Instructions

DP-40 - PT1/2 - N - X -		Optional
Model		X: Without pressure gauge
Size and thread type		Outlet Pressure Regulation Range
Diaphragm and seal materials		X: Max. inlet pressure 25 bar; outlet pressure 0.3~3 bar
N: Nitrile rubber (NBR) (Standard)		A: Max. inlet pressure 25 bar; outlet pressure 0.5~6 bar
F: Fluororubber (FPM) (Optional)		B: Max. inlet pressure 25 bar; outlet pressure 0.5~12 bar
E: Ethylene propylene rubber (EPDM) (Optional)		C: Max. inlet pressure 40 bar; outlet pressure 3~30 bar