

600-40X & 600-45X

BYPASS & PRESSURE RELIEF VALVES



Putting You In Control.

Kobelt's combined bypass & relief valves enhance the safety and functionality of your vessel's steering system. Integrated pressure reliefs protect cylinders from hydraulic shocks, while the manual bypass function allows for easy system bleeding and effortless cylinder movement during setup or maintenance. Designed for seamless integration with our helm pumps and HPUs.

Specifications

Pressure setting range: 750 to 3,000 psi [52 to 206 bar]

Temperature range: -22 to 212°F [-30 to 100°C]

Key Benefits

- Prevents damage to the steering gear and rudder from hydraulic shocks and over-pressure
- Bypass functionality allows for easier bleeding of the system and enables moving the rudder by hand
- Easily integrates with Kobelt's line of steering cylinders, helm pumps, and HPUs

Part No.	Flow Capacity	Default relief pressure ¹	Manifold Material	Ports	Weight
600-400	8 US gpm [30 l/min]	1,500 psi [103 bar]	Aluminum	SAE ORB -08	3.3 lbs [1.5 kg]
600-401 ²	30 US gpm [114 l/min]	1,500 psi [103 bar]	Aluminum	SAE ORB -08	3.3 lbs [1.5 kg]
600-402	8 US gpm [30 l/min]	1,500 psi [103 bar]	Steel	SAE ORB -08	7.4 lbs [3.4 kg]
600-403 ²	30 US gpm [114 l/min]	1,500 psi [103 bar]	Steel	SAE ORB -08	7.4 lbs [3.4 kg]
600-450 ³	80 US gpm [300 l/min]	2,000 psi [138 bar]	Aluminum	SAE ORB -12	9.4 lbs [4.3 kg]
600-451 ³	80 US gpm [300 l/min]	2,000 psi [138 bar]	Steel	SAE ORB -12	19.4 lbs [8.8 kg]

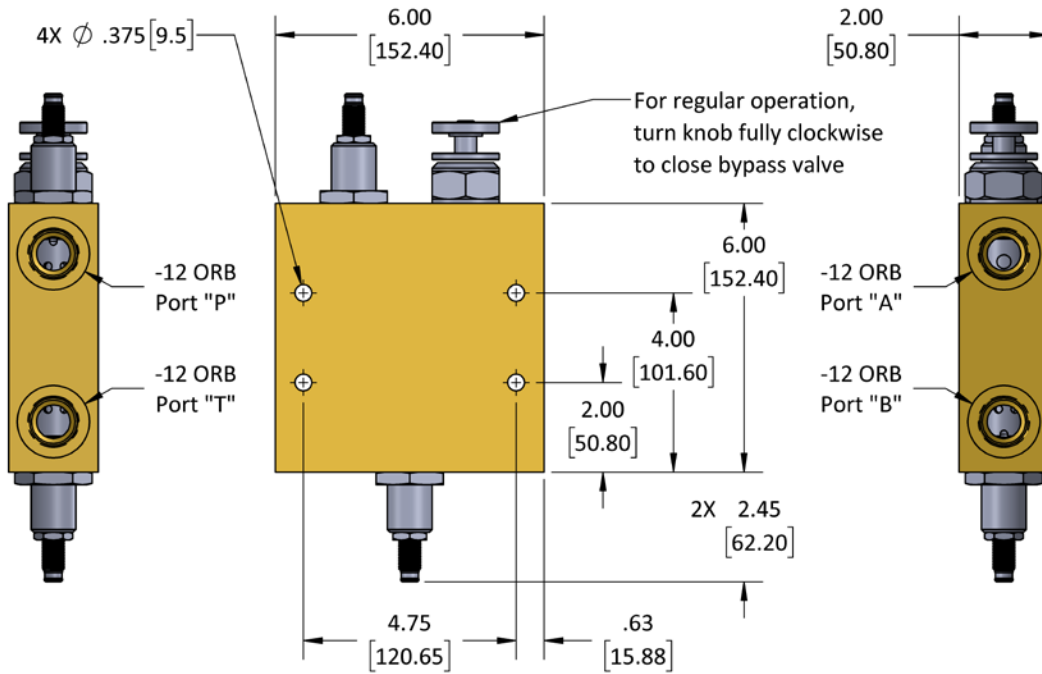
¹ relief pressure can be set at the factory if requested at time of order, otherwise default values will be used; 1.25 times the working pressure is what is recommended

² replaces obsolete valve 7020 (-10 ORB to -08 ORB adaptors required)

³ replaces obsolete valve 7120 (-16 ORB to -12 ORB adaptors required)

SPECIFICATIONS

600-45X Dimensions



All dimensions are in inches [mm]

600-40X Dimensions

