

PSR AIRTIGHT SHUT OFF VALVE (PPs)

- Shut off Valve made of Heavy duty PPs
- Shaft Seals fitted with 'O' rings to external
- External Air Tight to DIN 24194 Part 4
- Shut off Air Tight to DIN 1946 Part 4
- Heavy duty form fit Blade Seal
- 12 mm Ø solid drive shaft PPs coated
- Shaft designed for fast rotation 1s for 90°
- Flanged connection for easy site installation
- CMR fast actuators and controls factory fitted
- Additional End switches fitted to prove closure
- Factory function Test before delivery
- 24 month warranty
- 30 Years field application experience



Typical PSR Valve with optional Pneumatic fast Actuator

Valve Body Construction

The PSR Valve is manufactured to the highest engineering precision with CNC machines. The valve is formed from PPs Plastic and machined to provide very close tolerances. The valve body is formed to be an exact fit. The flange connection on either side provide strength to the overall valve body so that it cannot distort during installation. Counter flanges are supplied with gaskets and fixing bolts and nuts.

The damper blade consists of two PPs coated plates which sandwiches an airtight seal. A 12mmØ stainless steel axle (PPs coated) is embedded between the two plates to provide a heavy duty functionality. Air tight bearings on both sides of the valve provide smooth action with relatively low torque. The blade and axle are designed for very fast motor rotation i.e. 1 second from open to closed position. With such high speeds, the axle will withstand the enormous torque which develops on the shaft when turning from open to close in small steps to provide high accuracy control without a fluctuating Hysteresis.

PSR Valve dimensions						
Size ØD	Stock Code	F	ØA	ØLK	ØE	z
160 mm	PSR-160-0220	220	230	200	7	8
180 mm	PSR-180-0220	220	250	220	7	8
200 mm	PSR-200-0220	220	270	240	7	8
250 mm	PSR-250-0270	270	320	290	7	12
315 mm	PSR-315-0335	335	395	350	9	12
355 mm	PSR-355-0375	375	435	400	9	12
400 mm	PSR-400-0420	420	480	445	9	16
450 mm	PSR-450-0470	470	520	490	9	20
500 mm	PSR-500-0520	520	580	550	9	20
560 mm	PSR-500-0580	580	640	610	11	24
630 mm	PSR-500-0650	650	710	680	11	24
710 mm	PSR-500-0730	730	790	760	11	28

PSR Shut Off and Modulating Valve Dimensions

PSR Shut Off PPs Valve with optional DPC Controller and fast Actuator 0-90° and Modbus communication

