

P Series

Rotary Valve for Metering, Feeding and Airlock Applications



The P Series valves, available with round or square flange, are built to application-specific requirements, including: custom rotor configurations, factory-applied internal coatings, and sanitary materials of construction.

Features & Benefits

- Pre-fit Performance™ housings provide all of the in-use advantages built into every ACS valve, plus the assurance of precise alignment and fast installation when replacing comparable Prater-Sterling valves.
- Available in round or square flange designs.
- Available in 4 heights, from 10”H to 18 1/8”H; and 3 flange sizes from 6”H to 12”H.
- Valve housing cast in North America; ensures superior strength and solidification of housing’s metallurgy.
- CNC-machined components and housing provide precision tolerances; eliminates axial shaft movement, extends maintenance cycles.
- Outboard bearing design protects bearings in high-temperature and high-PSIG applications; removes bearings from direct path of damaging contaminants.
- Large shaft diameter eliminates rotor deflection; reduces rotor tip wear and bearing seal leakage.
- Easily manages pressure differentials up to 15 PSIG; super-duty series up to 22 PSIG.
- Excellent performance in high-temperature applications up to 750°F.
- Cast iron housing.
- 8-vane rotor with beveled tips and sides.

Options

- RotorRail™ design enables tool-less access to the rotor and all internal surfaces of the housing without time-consuming disassembly or removal from service.
- 304 or 316 cast stainless steel valve housing.
- No. 4 finish on internal product contact surfaces of housing, and all rotor surfaces.
- Interior coating: hard chrome, tungsten, nickel, and epoxy.
- Rotor types: closed-end, shallow-pocket, adjustable-tip, and Teflon® coated.
- Adjustable rotor tip types: EPDM rubber, polyurethane, hardened steel, and stainless steel.
- Shaft seal types: ACST-4™ glandless Teflon® shaft seal, and packing gland.
- 6-vane or 10-vane rotor.

		Rotary Valve Capacity (Cubic Feet/Hr.)									
Valve Size (inches)	6	6	30	48	60	72	84	96	108	120	132
	8	12	60	96	120	144	168	192	216	240	264
	10	24	120	192	240	288	336	384	432	480	528
	12	45	225	360	450	540	630	720	810	900	990
	1	5	8	10	12	14	16	18	20	22	

Capacities shown are based on 100% pocket-fill efficiency. Pocket-fill efficiencies vary by application. To ensure optimal efficiency, contact ASC Valves.