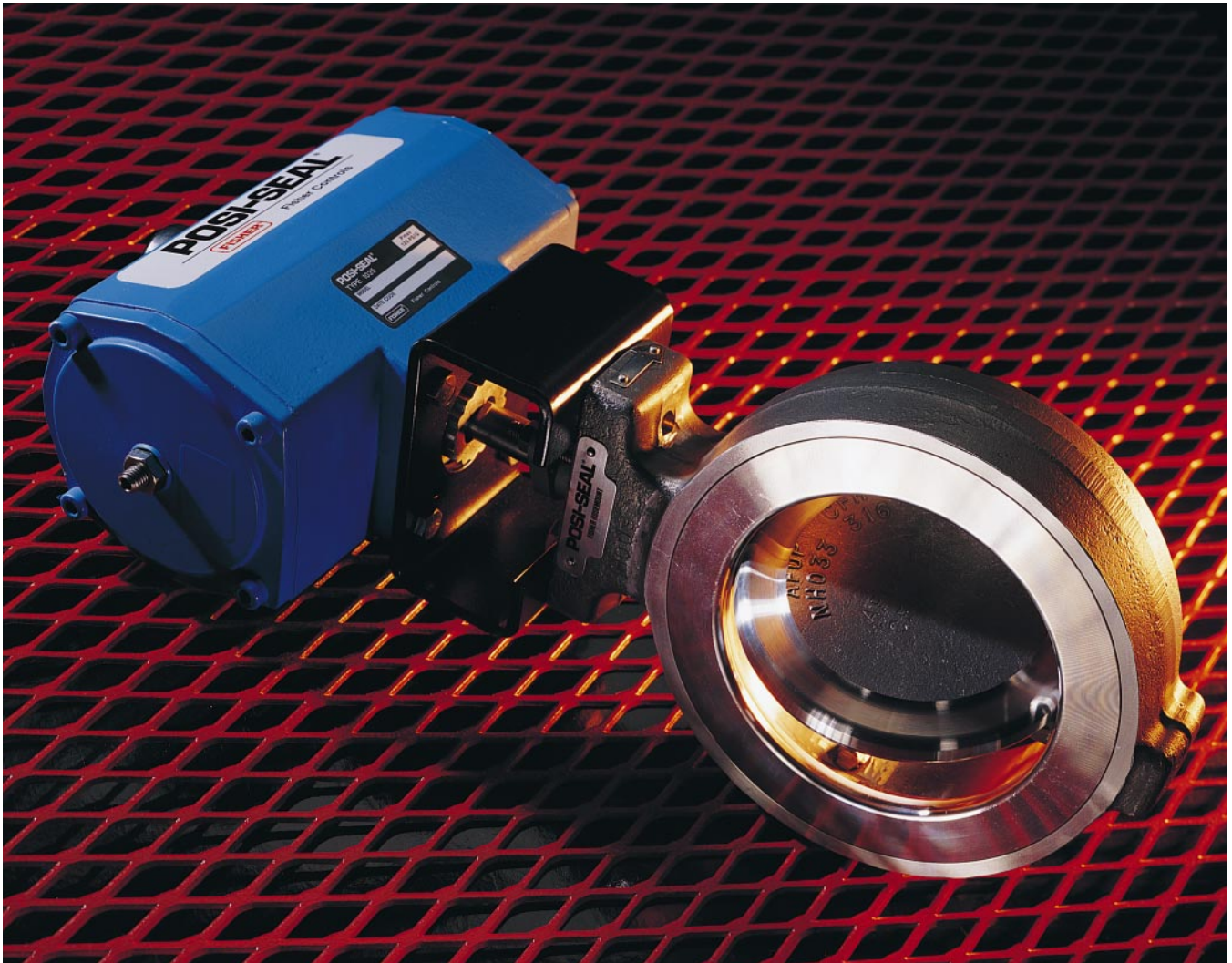


POSI-SEAL®



HIGH PERFORMANCE BUTTERFLY VALVE CONTROL PACKAGE



FISHER-ROSEMOUNT™ Managing The Process Better.™

■ Performance & Reliability — Fisher puts it all together for you in the POSI-SEAL® Package (PSP).

With the introduction of the POSI-SEAL® Package (PSP), Fisher combines the high performance of its time-tested A41 butterfly valve with the power and reliability of the Type 1035 rack and pinion actuator. The result is one source for both power on/off and throttling control.

Performance and reliability are just two of the many benefits you'll enjoy when you incorporate the PSP into your process control applications. Other benefits include:

- **Designed-in performance** — The POSI-SEAL Package combines field-proven components into an engineered control valve that meets your performance requirements.
- **Designed-in economy** — The PSP offers excellent flow control, shutoff capability and powerful operation in an economical, compact design.

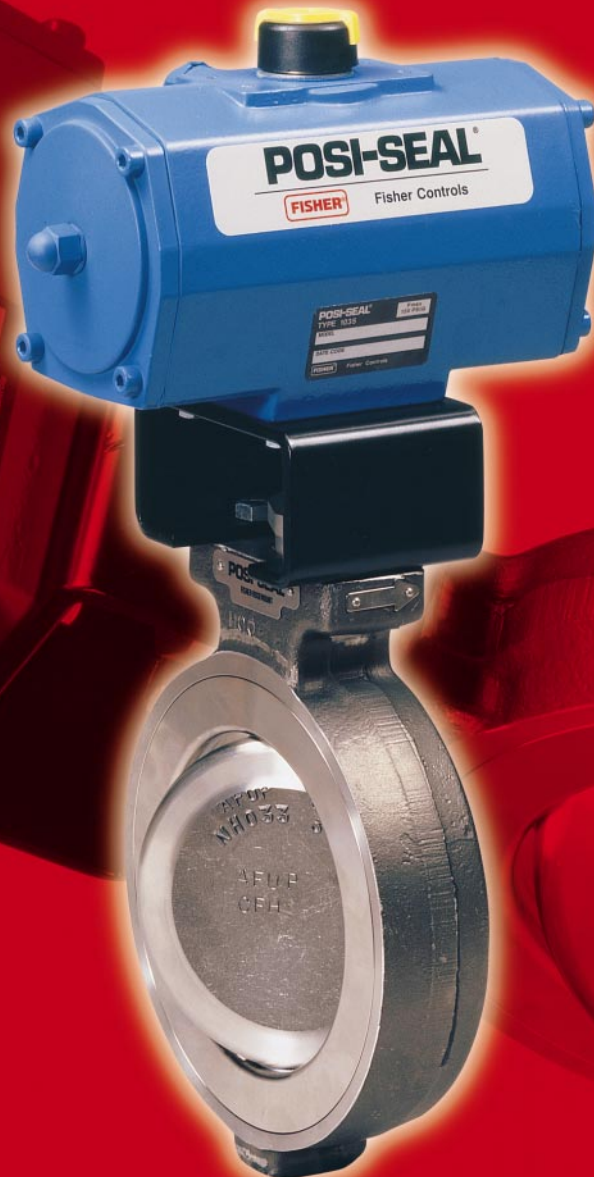
- **An easy choice** — Simple to install, operate and maintain, the PSP becomes an easy choice for on/off and throttling control valve applications.
- **Single-source responsibility** — As an engineered product, the PSP control valve assembly, as well as its individual components, receive full warranty protection from Fisher.
- **Immediate availability** — All PSP components are stocked to meet both your day-to-day and emergency control valve needs.



POSI-SEAL®

Package

(PSP)



■ POSI-SEAL® Type A41 High-Performance Butterfly Valve.

For exceptional shutoff, there is no better choice than the valve component of the PSP — the POSI-SEAL Type A41 high-performance butterfly valve. A patented bidirectional soft seal ring with pressure-assisting action makes it all possible.

In addition to exceptional shutoff, the Fisher POSI-SEAL® Type A41 high-performance butterfly valve is your best choice for:

- **Economical, low torque operation** — Valve disc pulls away from its seal upon opening, which reduces operating torque requirements and allows use of compact and economical actuator sizes.
- **Extended seal life** — Eccentric motion of the disc means contact with its PTFE seal only at closure, which greatly extends the valve's shutoff capability.

- **Excellent environmental capabilities** — An optional ENVIRO-SEAL® packing system can control emissions to below the EPA limit of 500 ppm for valves.
- **Quick maintenance** — Snap-in seal retainer helps assure easy seal replacement to shorten repair time and reduce maintenance costs.
- **Safety in operation** — Redundant shaft retention provides added protection and safer operation.
- **Matches the application** — With available valve sizes ranging from 3" to 12", an ANSI Class 150 rating, PTFE disc seal, and with a choice of carbon steel or stainless steel wafer-style body, you can specify the PSP construction that best meets your application.



POSI-SEAL®

Type A41

High-Performance

Butterfly Valve

■ POSI-SEAL® Type 1035 Rack and Pinion Rotary Actuator.

When your control application requires rapid response, the POSI-SEAL® Type 1035 rack and pinion rotary actuator delivers. This double-acting or spring-return rotary valve actuator is a compact, simply-designed control device which is quality engineered to provide high torque outputs to 40,000 lbf•in (4520 N•m) and a high cycle life.

Other performance features of the POSI-SEAL® Type 1035 rack and pinion rotary actuator include:

- **Smooth operation** — Three carbon-filled PTFE guide bands provide a low friction bearing surface for piston alignment and rack support. The elimination of metal-to-metal contact between pistons and the cylinder wall reduces friction for outstanding cycle life, smooth piston travel and maximum power.
- **Extended performance** — Three equally-spaced bearing surfaces are cast into each piston, resulting in

an even distribution of bearing loads, optimum gear engagement and reduced piston tilt for long-term actuator performance.

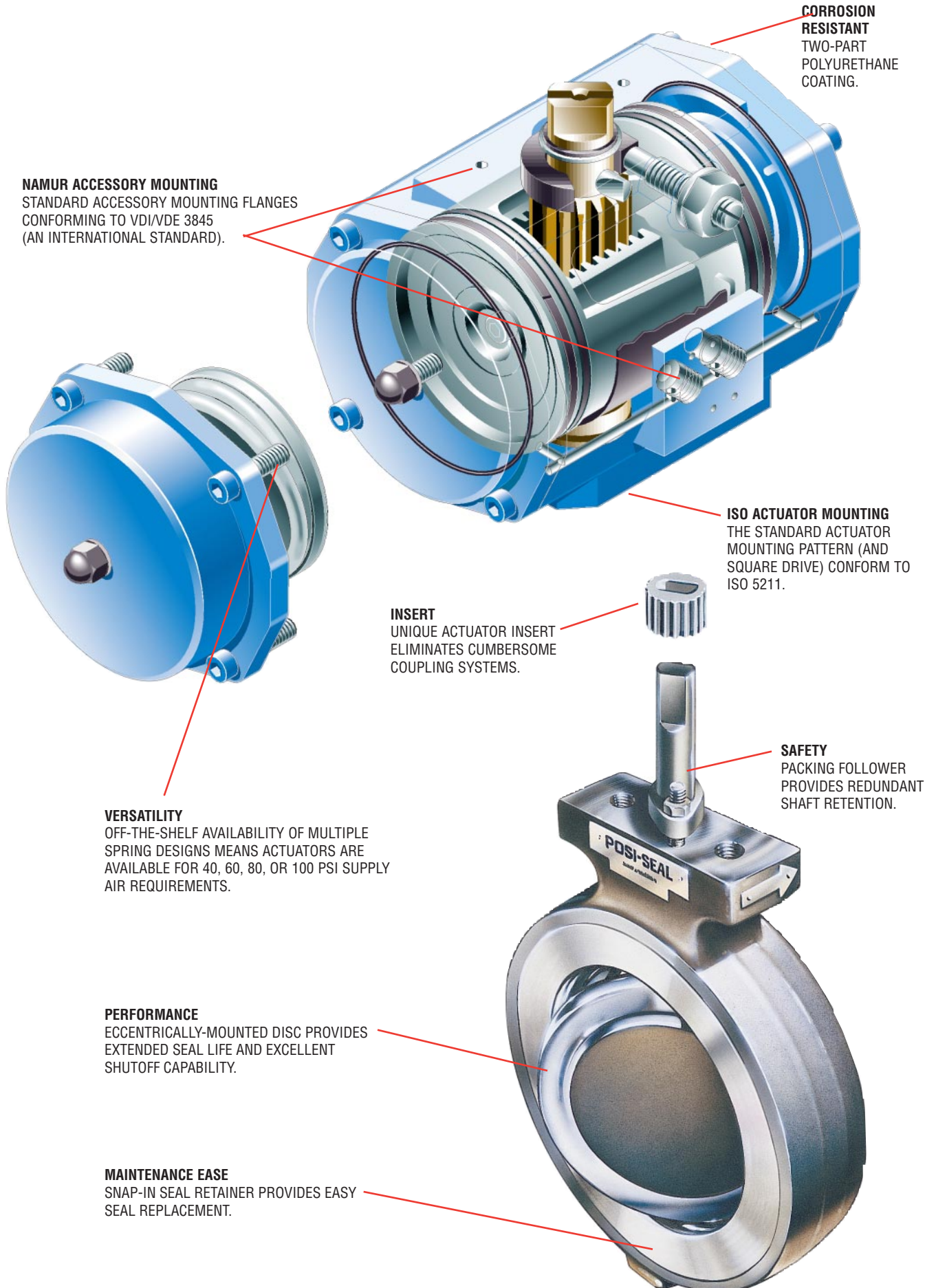
- **Multiple constructions** — Conversion from double-acting to spring return, or vice versa, is simple and safe, thus reducing spare part requirements. Valve-actuator action is also field reversible.
- **Corrosion resistance** — Two-part polyurethane coating ensures excellent protection against corrosive conditions.
- **Dual adjustable travel stops** — Allows for easy adjustment of actuator stroke.
- **Fast cycle times** — Air passageways are oversized and cast into actuator housing for extremely rapid cycle times.

POSI-SEAL®

Type 1035 Rack and
Pinion Rotary
Actuator



■ A Closer Look At The POSI-SEAL® Package.



CORROSION RESISTANT
TWO-PART POLYURETHANE COATING.

NAMUR ACCESSORY MOUNTING
STANDARD ACCESSORY MOUNTING FLANGES CONFORMING TO VDI/VDE 3845 (AN INTERNATIONAL STANDARD).

ISO ACTUATOR MOUNTING
THE STANDARD ACTUATOR MOUNTING PATTERN (AND SQUARE DRIVE) CONFORM TO ISO 5211.

INSERT
UNIQUE ACTUATOR INSERT ELIMINATES CUMBERSOME COUPLING SYSTEMS.

SAFETY
PACKING FOLLOWER PROVIDES REDUNDANT SHAFT RETENTION.

VERSATILITY
OFF-THE-SHELF AVAILABILITY OF MULTIPLE SPRING DESIGNS MEANS ACTUATORS ARE AVAILABLE FOR 40, 60, 80, OR 100 PSI SUPPLY AIR REQUIREMENTS.

PERFORMANCE
ECCENTRICALLY-MOUNTED DISC PROVIDES EXTENDED SEAL LIFE AND EXCELLENT SHUTOFF CAPABILITY.

MAINTENANCE EASE
SNAP-IN SEAL RETAINER PROVIDES EASY SEAL REPLACEMENT.

Choose The Options To Precisely Meet Your Needs.

Select the package components from the following list. The combination of the POSI-SEAL valves, actuator and accessories assures you of optimum performance,

reliability and dependability that you have come to expect from Fisher Controls and POSI-SEAL products. We offer the most flexible automated valve package in the industry.

Type A41 HPBV

MODEL	DESCRIPTION
SIZE	3" - 12"
MATERIAL	Carbon and Stainless Steel
PRESSURE CLASS	ANSI Class 150
BODY STYLE	Wafer
SEAL	PTFE

Options

GO Limit Switches

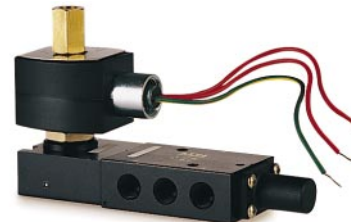
MODEL	DESCRIPTION
41-21010-000	2 SPDT MECHANICAL Switches, NEMA 4,4X,7,9
41-2U010-000	2 SPDT LEVERLESS (Proximity) Switches, NEMA 4,4X ,7,9

ASCO Solenoid Valves

MODEL	DESCRIPTION
551-00-106	4 WAY, 120VAC, IP65, NAMUR Mount
V551-3037000	4 WAY, 120VAC, NEMA 7,9 NAMUR Mount
8320G174	3 WAY, 120VAC, NEMA 4,4X
EF8320G174	3 WAY, 120VAC, NEMA 4,4X,7,9
8345G-1	4 WAY, 120VAC, NEMA 4,4X
EF8345G-1	4 WAY, 120VAC, NEMA 4,4X,7,9

PMV Positioner

MODEL	DESCRIPTION
P4	P/P Spool valve positioner
P5	P/P High gain spool valve positioner
EP5	I/P High gain spool valve positioner
EP5IS	I/P High gain spool valve positioner, Intrinsically Safe
EP5EX	I/P High gain spool valve positioner, Explosion Proof



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