

TRANSITIONAL RELIABILITY PACKAGES

Upgraded valve and solenoid operator options to match application needs

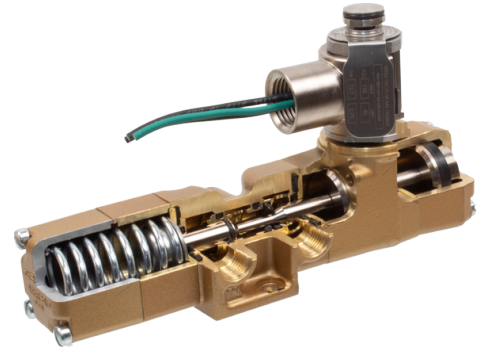
REAL WORLD CHALLENGES

A majority of product failures are due to ingress of debris and moisture.

- Basic valves don't always meet application requirements
- Cost sensitivity
- Rubber stamp selection

THE VERSA SOLUTION

VERSA offers Transitional Reliability Packages, a selection of options and products designed to prepare our valves for the most demanding applications. Water and debris ingress protection, valve body reliability, and power shift packages provide the levels of protection designed to match the application's needs.



Filtration:

The first line of protection is filtration to keep debris from entering your valves through media. A filter/regulator installed upstream of the valve will help keep the media clean before flowing through the valve. Our AR-316 stainless steel filter/regulators are designed to stand up to the harshest environments while providing pressure regulation. There are multiple levels of filtration allowing particles of various thicknesses to pass through. We provide a 25-micron filter as standard with options for 5 or 40 microns as needed. Dual filtration packages are available

Dust Exclusion:

The second line of defense is the valve exhaust. The simplest addition for protection is our VERSA Dust Excluder (-DE). The dust excluder prevents dirt and moisture from entering into the valve through the exhaust ports and our flapper design allows for maximum exhaust flow. Sealed breather vents employing IP65 rated venting process: Option -DD (brass valves) or -DG (stainless valves)

Solenoid Protection Packages:

The solenoid operator is also vulnerable to contamination through the exhaust vent and into the coil housing. These problems are addressed by using our moisture protected coil and a solenoid Exhaust Water & Dust Nut (-D14).

Valve Reliability Packages:

Inside the valve body, VERSA offers numerous upgrade options for application-specific requirements:

- Seal options for chemical compatibility or temperature ratings
- U-cup seals for reduced friction
- Internal plating
- Upgraded lubrication
- Stronger return springs

Power Shift Package:

VERSA's Powershift Package combines our strongest return force option with a unique double piston to negate increases in minimum actuation pressure. These features combined create a robust solution to the build-up problem seen in low-demand usage valves. In any application which sees stiction, the Power Shift Package provides an interchangeable option with the power to blast through obstacles on its way to closure.

Common Transitional Reliability Package Options:

COMBO SUFFIX	SUFFIX ID	DESCRIPTION
Reliability Package -NGS Brass Valves Only	-S	Strong return spring (minimum pilot pressure 55psi)- extra force for return of spool
	-155	Fluorocarbon elastomer- media compatibility
	-55F	Molykote silicone grease offers greater adhesion characteristics
	-31	U-cup on pilot piston- reduces friction on return stroke
	-10	Elect nickel plated internal components- decrease Elastomer friction
Low Temp Reliability -NGST Brass Valves Only	-NGS	Severe service package list above plus
	-44	Low temperature Elastomer package
Reliability Package -B894 Brass Valves Only	-S	Strong return spring (minimum pilot pressure 55psi)- extra force for return of spool
	-155	Fluorocarbon elastomer- media compatibility
	-55C	Krytox grease
	-31	U-cup on pilot piston- reduces friction on return stroke
	-10	Elect nickel plated internal components- decrease Elastomer friction
Reliability Package -B895 Brass Valves Only	-155	Fluorocarbon elastomer- media compatibility
	-55F	Molykote silicone grease offers greater adhesion characteristics
	-31	U-cup on pilot piston- reduces friction on return stroke
	-10	Elect nickel plated internal components- decrease Elastomer friction
	-NGS	Severe service package list above plus
	-44	Low temperature Elastomer package
Sealed breather vents	-DG	Cap to exhaust (stainless valves only)
	-DD	Cap to cap (brass valves only)
-PWR	-DP	Double pilot piston
	-SS	Super strong spring
-PWRD	-DD	Cap to cap (brass valves only)
	-DG	Cap to exhaust (stainless valves only)
	-DP	Double pilot piston
	-SS	Super strong spring

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