

W2966B-1

Design EZ Trim



W0958

Quick Opening Cage



W0957

Equal Percentage Cage



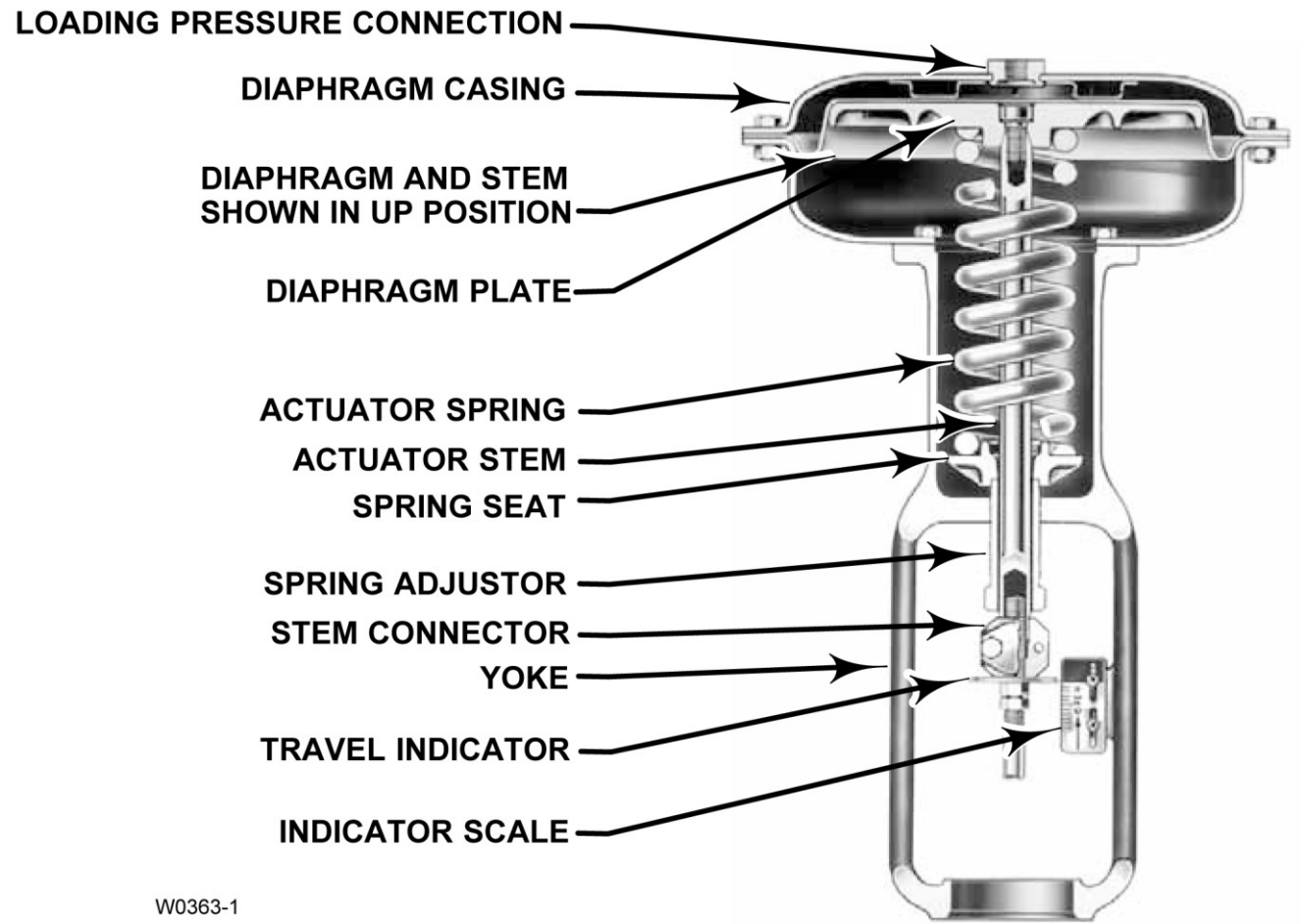
W0959

Linear Cage

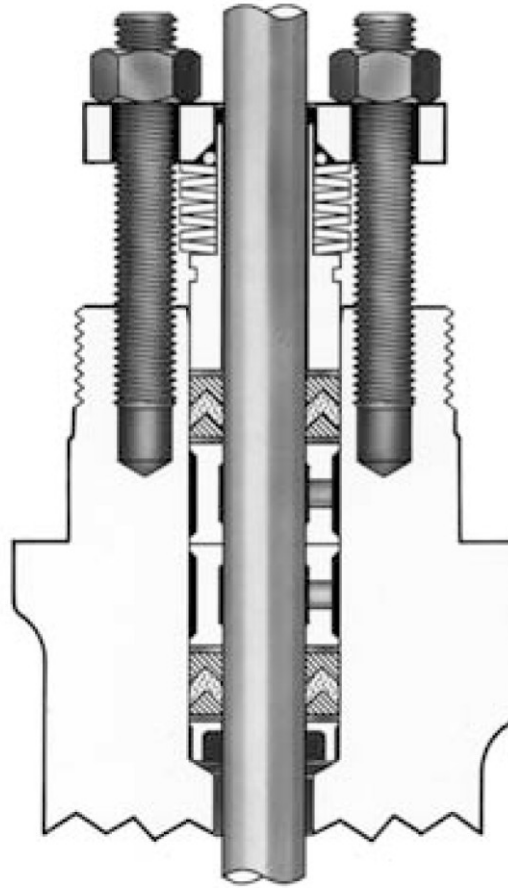


W0961

**Whisper Trim® Cage
for Noise Attenuation**

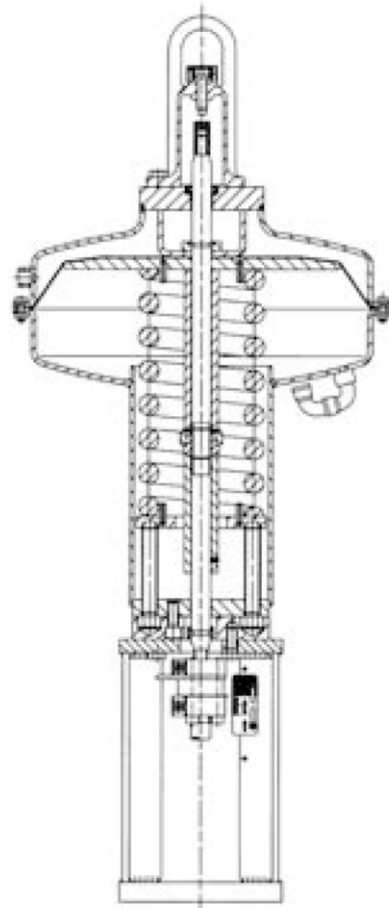


W0363-1

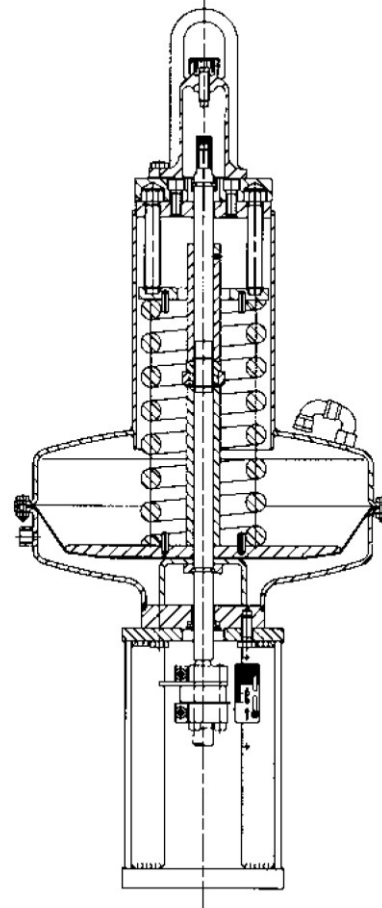


W5803-1*

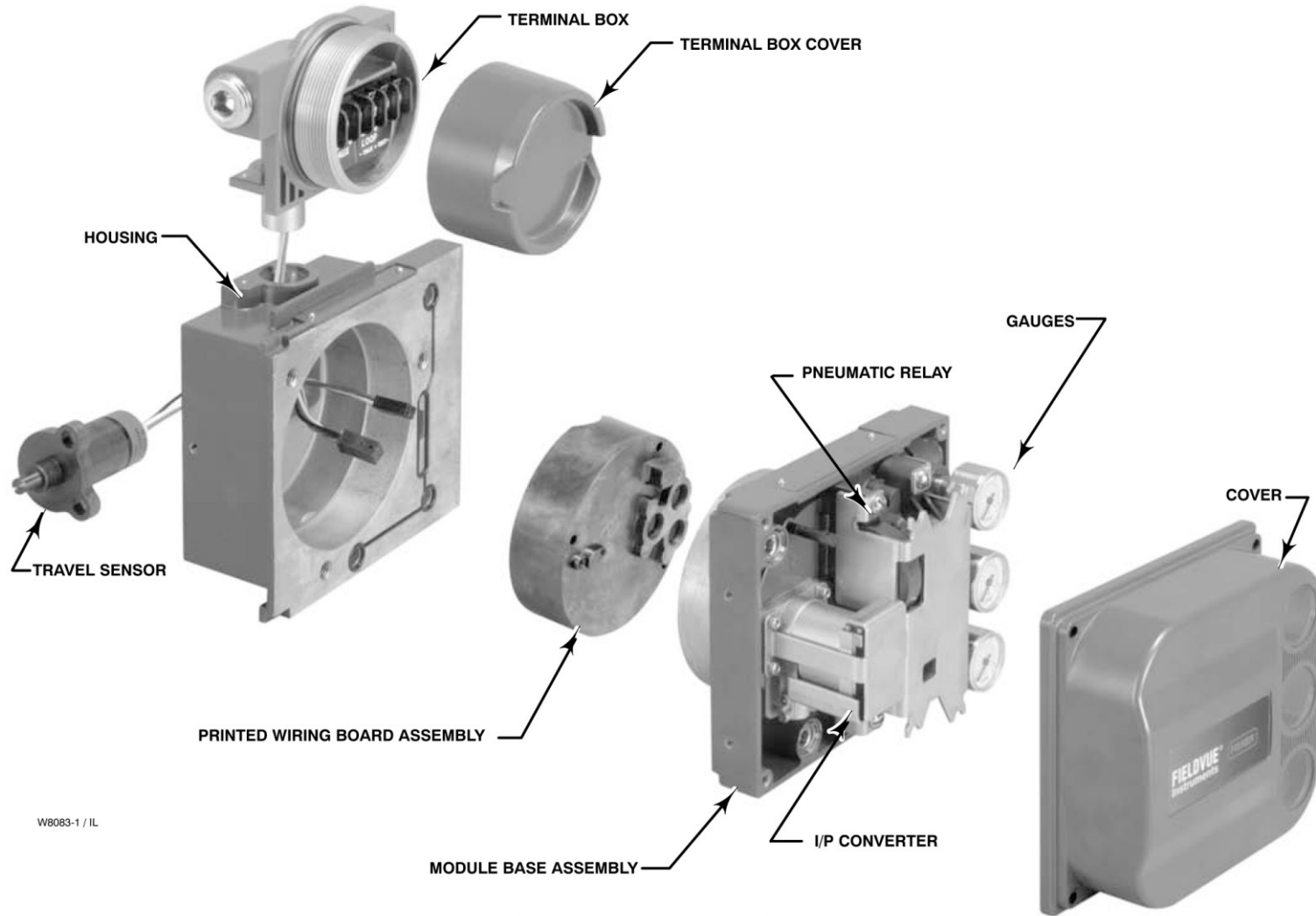
PTFE ENVIRO-SEAL® Packing System

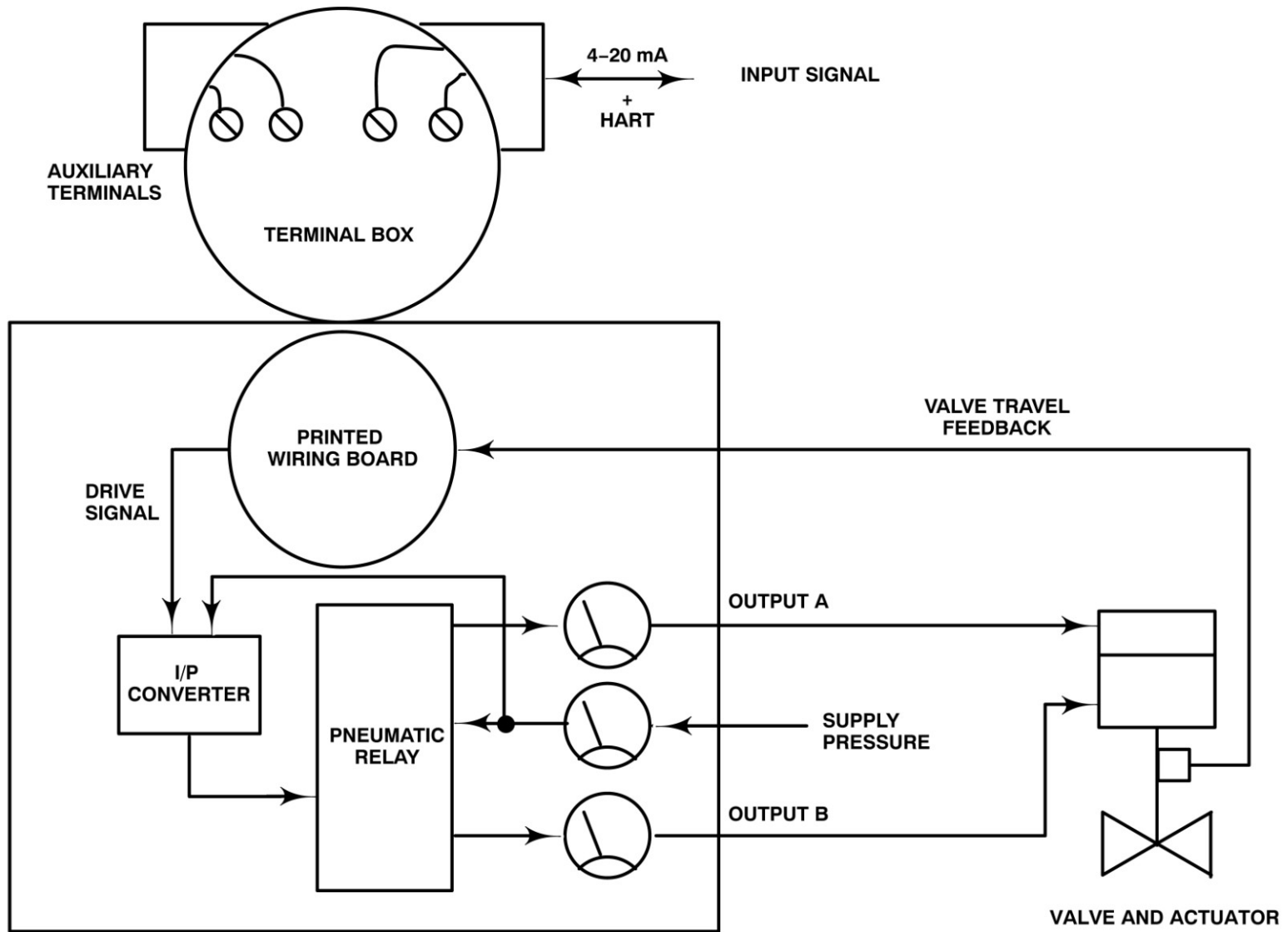


AIR TO CLOSE

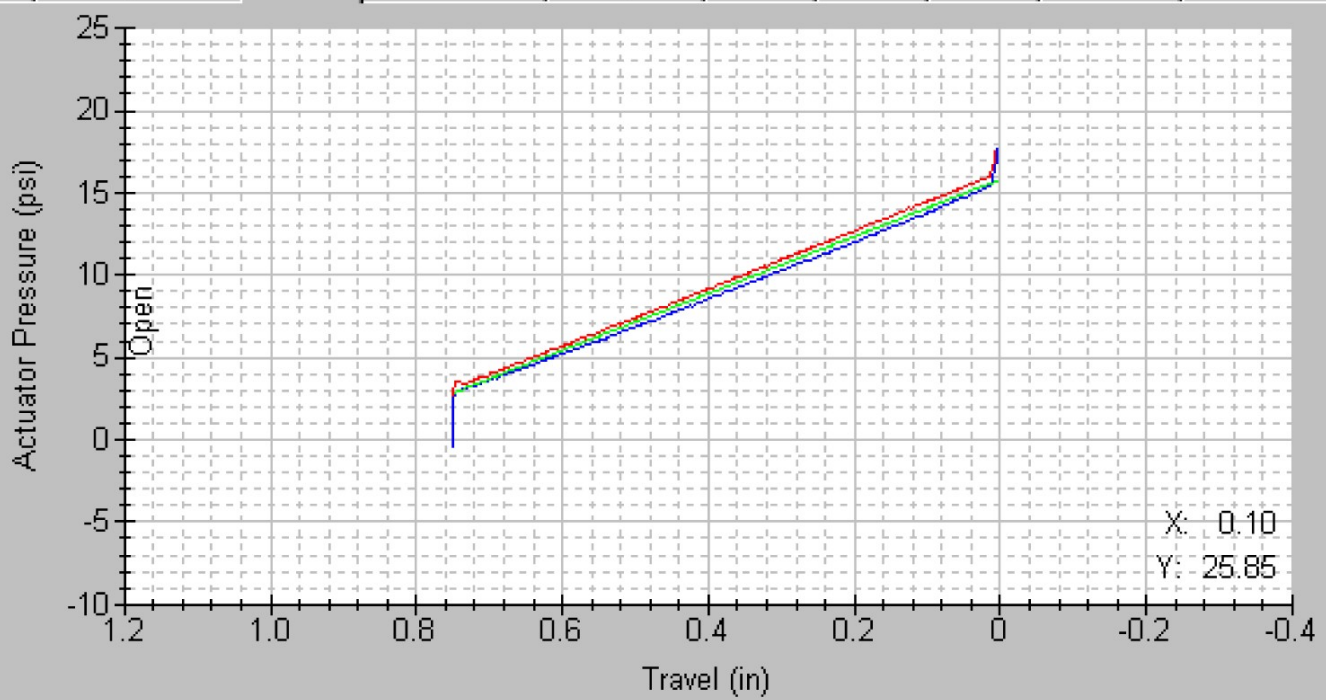


AIR TO OPEN





Inputs Configuration Graph Data Points Analyzed Notes Valve Trim Actuator Reference



X: 0.10
Y: 25.85

View Full Screen Zoom Out Zoom Back Add Overlay Valve Signature

Run Diagnostic Save Dataset Delete Dataset Close Tag Help

Fluid Compatibility (continued)

This table rates and compares the compatibility of elastomer material with specific fluids. Note that this information should be used as a guide only. An elastomer which is compatible with a fluid may not be suitable over the entire range of its temperature capability. In general, chemical compatibility decreases with an increase in service temperature.

KEY: A+=Best Possible Selection A=Generally Compatible B=Marginally Compatible C=Not Recommended -=no data

NOTE: These recommendations are to be used as a general guide only. Full details regarding pressure, temperature, chemical considerations, and the mode of operation must be considered when selecting an elastomer.

FLUID	ELASTOMER RATINGS FOR COMPATIBILITY WITH FLUID											
	ACM, ANM Poly-acrylic	AU, EU Poly-urethane	CO, ECO Epichloro-hydrin	CR Chloro-prene Neoprene ⁽¹⁾	EPM, EPDM Ethylene Propylene	FKM Fluoro-elastomer Viton ⁽¹⁾	FFKM Perfluoro-elastomer	IIR Butyl	VMQ Silicone	NBR Nitrile Buna N	NR Natural Rubber	TFE/P Tetra-fluoro ethylene-propylene copolymer
Chlorine, Dry	C	C	B	C	C	A+	A	C	C	C	C	C
Chlorine, Wet	C	C	B	C	C	A+	A	C	C	C	C	B
Coke Oven Gas	C	C	-	C	C	A+	A	C	B	C	C	A
Dowtherm A ⁽²⁾	C	C	C	C	C	A+	A	C	C	C	C	B
Ethyl Acetate	C	C	C	C	B	C	A	B	B	C	C	C
Ethylene Glycol	C	B	A	A	A+	A	A	A	A	A	A	A
Freon 11 ⁽¹⁾	A	C	-	C	C	B+	B	C	C	B	C	C
Freon 12 ⁽¹⁾	B	A	A	A+	B	B	B	B	C	A	B	C
Freon 22 ⁽¹⁾	B	C	A	A+	A	C	A	A	C	C	A	C
Freon 114 ⁽¹⁾	-	A	A	A	A	A	B	A	C	A	A	C
Freon Replacements ⁽¹⁾ (See Suva) ⁽¹⁾	C	B	A	C	C	A	A	C	C	A+	C	C
Gasoline	B	A	-	A	A	A	A	A	C	A	B	A
Hydrogen Gas	B	A	-	A	A	A	A	A	C	A	B	A
Hydrogen Sulfide (Dry)	C	B	B	A	A+	C	A	A	C	A	A	A
Hydrogen Sulfide (Wet)	C	C	B	A	A+	C	A	A	C	C	C	A
Jet Fuel (JP-4)	B	B	A	C	C	A	A	C	C	A	C	B

(continued)

Fluid Compatibility (continued)

This table rates and compares the compatibility of elastomer material with specific fluids. Note that this information should be used as a guide only. An elastomer which is compatible with a fluid may not be suitable over the entire range of its temperature capability. In general, chemical compatibility decreases with an increase in service temperature.

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Methylene Chloride	C	C	-	C	C	B+	A+	C	C	C	C	B
Milk	C	C	-	A	A	A	A	A	A	A+	A	A
Naphthalene	-	B	-	C	C	A+	A	C	C	C	C	B
Natural Gas	B	B	A	A	C	A	A	C	C	A+	B	A
Natural Gas +H ₂ S (Sour Gas)	C	B	A	A+	C	C	A	C	C	B	C	A
Natural Gas, Sour + Ammonia	C	C	-	B+	C	C	A	C	C	B	C	A+
Nitric Acid (10%)	C	C	C	C	B	A+	A	A	C	C	C	A
Nitric Acid (50-100%)	C	C	C	C	C	A+	A	A	C	C	C	B
Nitric Acid Vapor	C	C	C	B	B	A	A	B	C	C	C	A
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A
Oil (Fuel)	B	C	A	B	C	A	A	C	C	A+	C	A
Ozone	B	A	A	B	A	A	A	B	A	C	C	A
Paper Stock	-	C	-	B	B	A	A	B	C	B	C	-
Propane	A	B	A	A	C	A	A	C	C	A+	C	A
Sea Water	C	B	-	B	A	A	A	A	A	A	B	A
Sea Water + Sulfuric Acid	C	B	-	B	B	A	A	B	C	C	C	A
Soap Solutions	C	C	A	A	A	A	A	A	A	A	B	A

(continued)

Fluid Compatibility (continued)

This table rates and compares the compatibility of elastomer material with specific fluids. Note that this information should be used as a guide only. An elastomer which is compatible with a fluid may not be suitable over the entire range of its temperature capability. In general, chemical compatibility decreases with an increase in service temperature.

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Steam	C	C	C	C	B+	C	A	B	C	C	C	A+
Sulfur Dioxide (Dry)	C	-	-	C	A+	-	-	B	B	C	B	-
Sulfur Dioxide (Wet)	C	B	-	B	A+	C	A	A	B	C	C	B
Sulfuric Acid (to 50%)	B	C	B	C	B	A+	A	C	C	C	C	A
Sulfuric Acid (50-100%)	C	C	C	C	C	A+	A	C	C	C	C	A
Suva HCFC-123 ⁽¹⁾	-	C	-	A+	A+	B	-	A+	B	C	C	-
Suva HFC134a ⁽¹⁾	-	-	-	B	A	C	-	B	B	A+	B	-
Water (Ambient)	C	C	B	A	A	A	A	A	A	A	A	A
Water (200°F, 93°C)	C	C	B	C	A+	B	A	B	A	C	A	-
Water (300°F, 149°C)	C	C	-	C	B+	C	A	B	C	C	C	-
Water (De-ionized)	C	A	-	A	A	A	A	A	A	A	A	A
Water, White	C	B	-	B	A	A	A	A	B	B	B	-

1. Registered trademark of DuPont Performance Elastomers.

2. Trademark of Dow Chemical Co.