

SEAT MATERIAL SELECTION GUIDE

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for HIGH PRESSURE CONTROL VALVES

Trim Material	Hardness Rockwell C	Impact Strength	Corrosion Resistance	Recommended Max Temp *	Erosion Resistance	Abrasion Resistance
D2 Steel Dump valve, control valve, general purpose, average conditions Linear Snap EP	55-62	Fair	Fair	800 F	Good	Good
17.4 PH Corrosion Linear EP	40-47	Good	Excellent	650 F	Good	Good
316 SS Corrosion Snap Linear EP	8	Excellent	Excellent	850 F	Fair	Fair
Carbide Abrasive, dump valve Snap	79-81	Excellent	Good	800 F	Excellent	Excellent
Zirconia Abrasive, dump valve Linear Snap EP	--	Poor	Fair	1500 F	Excellent	Excellent

Measurements: Excellent, Good, Fair, Poor

*Note: temperature range may change depending on pressure.