

VALVE COMPARISON

	Durabla® V7	Durabla® V7H	Durabla® V7F	Durabla® V7FD	PlenaFlow® plate	Resista® AR	WG Sphera® series
							
APPLICATIONS	Steam pumps	Low NPSH	Higher volumes	Higher volumes	Rigorous applications & environments	Environments containing abrasives or small solids and high pressures	Clean to abrasive environments for low pressure, high pressure, and high speed pumping systems
VALVE MATERIALS	17-4SS, 316SS, others	17-4SS, 316SS, others	17-4SS, 316SS, others	17-4SS, 316SS, others	316SS, Monel®	316SS, 17-4 hrdn SS, Duplex stainless, 8620 alloy, Hardfacing stellite, Monel®	316SS, 17-4 hrdn SS, others
DISC or VALVE MEMBER MAT'L	17-7SS, 316SS	17-7SS, 316SS	metal formed	Delrin®, Sustakon®	Delrin®, SS, Sustakon®, Titanium	316SS, 17-4SS	316SS, 17-4SS
INSERT MAT'L	n/a	n/a	n/a	n/a	n/a	Urethane	Sustakon®, PEEK or Teflon®
PORT SIZES	1.5" to 7.75" diameter	1.5" to 6" diameter	1.5" to 5"	1.5" to 5"	1.5" to 4"	1.5" to 4"	1.5" to 4"
SPEED	Up to 200 RPM	Up to 600 RPM	Up to 750 RPM	Up to 750 RPM			
PRESSURE RANGE	Up to 800 psi	Up to 6500 psi	Up to 6500 psi	Up to 2500 psi	Up to 15000 psi	Up to 15000 psi	Up to 15000 psi
SPECIAL FEATURES	The seat can be furnished in 1 of 3 ways: threaded for screw fit, tapered for press fit, or rough OD for customers to use as a cast for matching.	The lightweight metal valve disc ensures exceptional service life. Due to its "point contact" with the sleeve, the V7H opens faster than other styles and is ideal in rigorous environments.	The taller profile of the V7F provides a good lift and spill area for fluid. Its heavier spring provides prompt valve closure to seal off the flow.	In place of the traditional metal formed disc, the V7F is available with an optional Delrin® or Sustakon® disc, which contributes to "zero wear".	Dual spring design permits customization of valve for use in low & standard suction pressure systems and some high speed systems. abrasion resistant, more efficient, lower profile & price than AR valve	Highly resistant to adhesive wear, abrasive wear, abrasive-corrosive wear, & crunching/grinding wear.	Stem-guided, dual shot peen Inconel® spring(s) for use in low or high pressure and high speed pumping systems; inserts of Sustakon®, PEEK or Teflon® for abrasion resistance & high temperature operation