SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

ABS Series – TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 4, 5 or 6 inch (100, 125, or 150mm) hose. The compact design without swiveling inlet elbow allows use in limited space, such as behind compartment doors. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi hydrostatic strength test. The aluminum casting is hardcoat anodized, and TFT powder coated inside and out for maximum corrosion protection. All components on the wet side of the valve are made of stainless steel for additional corrosion protection. Meets NFPA slow-close requirements. The Ball Intake Valves allow for multiple control configurations, with reversible side handwheel as well as a top mounted control to allow ease of use on all apparatus pump panel designs. Valve position indicator is standard. The unit comes equipped with a rugged 3/4 inch (19mm) drain valve to quickly drain water from the valve housing. A port for an option air bleed valve is incorporated win the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Automatic fast reacting pressure relief valve is easily set without special tools and protects from over pressurization of the hose lines and appliance. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 241.

Dimensional Maximum
ABS1SX-NX-PS
31.6 lb (14.3 kg)
17.8" (45.2 cm) Height
11.2" (28.4 cm) Width
11.0" (27.9 cm) Depth

ABS				-			-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

ABS	7	N	P	-	N	X	-	P	S

For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 220.

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 222 for diagram

ABS7		SIDE A - Female Swivel NH	
		5.0" Threaded Swivel	6.0" Threaded Swivel
SIDE B - Rocker Lug Female Swivel NH	4.0" Threaded Swivel	ABS7NP-NT-PS $2110.00	ABS7NP-NX-PS $2110.00
	4.5" Threaded Swivel	ABS7NR-NT-PS $2115.00	ABS7NR-NX-PS $2115.00
	5.0" Threaded Swivel	ABS7NT-NT-PS $2175.00	ABS7NT-NX-PS $2175.00

ABS8		SIDE A - Female Swivel NH	
		5.0" Threaded Swivel	6.0" Threaded Swivel
SIDE B - Male NH	4.0" Threaded	ABS8NP-NT-PS $2050.00	ABS8NP-NX-PS $2050.00
	4.5" Threaded	ABS8NR-NT-PS $2110.00	ABS8NR-NX-PS $2110.00
	5.0" Threaded	ABS8NT-NT-PS $2110.00	ABS8NT-NX-PS $2110.00
	6.0" Threaded	ABS8NX-NT-PS $2175.00	ABS8NX-NX-PS $2175.00

ABS1		SIDE A - Female Swivel NH	
		5.0" Threaded Swivel	6.0" Threaded Swivel
SIDE B - Rigid Storz	4.0" Rigid Storz	ABS1SP-NT-PS $2110.00	ABS1SP-NX-PS $2110.00
	5.0" Rigid Storz	ABS1ST-NT-PS $2110.00	ABS1ST-NX-PS $2110.00
	6.0" Rigid Storz	ABS1SX-NT-PS $2110.00	ABS1SX-NX-PS $2110.00

ABS3		SIDE A - Female Swivel NH	
		5.0" Threaded Swivel	6.0" Threaded Swivel
SIDE B - Swivel Storz	4.0" Swivel Storz	ABS3SP-NT-PS $2110.00	ABS3SP-NX-PS $2110.00
	5.0" Swivel Storz	ABS3ST-NT-PS $2175.00	ABS3ST-NX-PS $2175.00
	6.0" Swivel Storz	ABS3SX-NT-PS $2175.00	ABS3SX-NX-PS $2175.00

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	AA9NX-NP $135.00	AA9NX-NR $135.00

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)