

Valve Stem Extensions with External Support Plate

Figure Number Key for Valve Stem Extensions with External Support Plate

XX ①—YY ②—Z ③—S ④				
Material ①	Valve Series ②	Length — 10 Ft. Max. ③		Valve Size ④
CS = Basic Carbon Steel	TB = Tru-Bloc Ball Valve	1 = 1 Ft.	6 = 6 Ft.	State Valve Size in Inches
SS = Basic 304 Stainless Steel	HV = Horizon Ball Valve ¹	2 = 2 Ft.	7 = 7 Ft.	
HC = CPVC Housed Carbon Steel	BF = Model B Butterfly Valve	3 = 3 Ft.	8 = 8 Ft.	
HS = CPVC Housed 304 SS	BG = Model C Butterfly Valve	4 = 4 Ft.	9 = 9 Ft.	
		5 = 5 Ft.	0 = 10 Ft.	

¹CPVC housed stem extensions are not intended for the horizon ball valve series.

Basic Stem Extension—A CPVC thrust bearing plate with a TFE disk is mounted under the external support plate on all stem extensions. This bearing assembly carries the weight of the carbon steel or 304 stainless steel extension rods, which are available in one-foot increments up to 10 feet. Thus, when the external support plate is anchored to a structural member over the valve, undue weight on the plastic piping and/or corrosion freeze-up of valve operation is avoided. The 1/4" thick 4" x 12" external support plate, as well as other associated hardware, is carbon steel, painted gray, or unpainted 304 SS, depending on the extension rod selected.

CPVC Housed Stem Extension—As with the basic stem extension described above, the housed stem extensions are offered with CS or 304 SS extension rods in one-foot increments. The housing utilizes 1 1/2" CPVC pipe with modified ball valve actuator mounting flanges solvent cemented to each end. The bottom housing-flange is bolted to the valve top flange, in the case of a butterfly valve, or to the actuator mount, which is added, in the case of a ball valve. And a gasket, matching the elastomeric valve seals, is installed in the bottom flange joint, regardless of attached valve type, in order to seal external fluid from the housing interior. The top housing-flange is bolted to the bottom of the CPVC thrust bearing plate.

General—For both the basic and CPVC housed stem extensions, the bottom-rod coupling utilized for all ball valve extensions is fitted with turning-stops. The Chemtrol standard orange handle is supplied to turn the extensions for 1/2" through 1" manually operated ball valves. For the larger ball valves, as well as all butterfly valves, the appropriate butterfly valve handle and index plate are supplied for manual operation of the stem extensions.

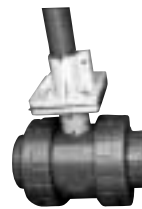
A gear operator may easily be mounted on top of the external support plate of all stem extensions. Select the gear operator and drive bushing from the table for gear operators and options for butterfly valves on page 28. The 29240018 gear operator and the 29241014 drive bushing should be used on the stem extensions for all ball valves.



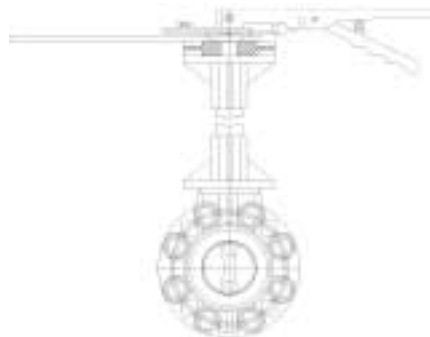
Basic Stem Extension for Ball Valves



Basic Stem Extension for Butterfly Valves



Housed Stem Extension for Ball Valves



Housed Stem Extension for Butterfly Valves