



Flanged Internal Valves

Flanged valves provide a sturdy and compact means of directly mounting a pump or piping connection. Special stud bolts, weakened with a groove on the outside diameter, are furnished with the valves to permit the pump or piping to shear off in the event of an accident, leaving the valve intact. A built-in excess flow valve reduces the chance of uncontrolled product discharge when flow exceeds the rated flow capacity.

All flanged valves have an internal screen for pump protection that can be easily removed if the valve is used primarily for filling the tank. They also contain PTFE packing to resist stub shaft leakage. These valves can be activated manually, by cable control or by air cylinder (refer to pages 60 and 61).

3 in. / DN 80 Flanged Sizes

Type C484-24 – A single-flange unit widely used on bobtail and transport trucks for a compact means of direct pump connection to the valve outlet. Another application for the Type C484-24 is on in-line installations.

Type C483-24 – A double-flange unit designed for special bobtail truck applications where the pump must be lowered to clear the truck frame or other obstacles. A special shear section in the body permits the lower section of the valve to shear off in the event of an accident, leaving the critical shutoff parts within the tank.

UL® Approved 3 In. / DN 80 Flanged Internal Valves														
Size	Type Number		Closing Flow Propane								Closing Flow NH ₃			
	Single Flanged	Double Flanged	Single Flanged, Bottom of Tank Position*		Double Flanged, Bottom of Tank Position*		Single Flanged, Top of Tank Position*		Double Flanged, Top of Tank Position*		Single Flanged, Bottom of Tank Position*		Double Flanged, Bottom of Tank Position*	
			GPM	l/min	GPM	l/min	GPM	l/min	GPM	l/min	GPM	l/min	GPM	l/min
3 in. / DN 80	C484-24-16	C483-24-16	160	606	160	606	180	681	180	681	144	545	144	545
	C484-24-25	C483-24-26	250	946	265	1003	250	946	290	1098	239	905	226	855
	C484-24-40	C483-24-40	400	1514	400	1514	400	1514	400	1514	361	1366	361	1366

* See Internal Valve Flow Positions (page 49) for description of Bottom of Tank, Top of Tank and Horizontal Flow Positions.

UL Approved 3 In. / DN 80 Flanged Internal Valves											
Size	Type		Vapor Capacity Propane								
	Single Flanged	Double Flanged	100 psig / 6.9 bar Inlet, Single Flanged, Bottom of Tank Position**		100 psig / 6.9 bar Inlet, Double Flanged, Bottom of Tank Position**		100 psig / 6.9 bar Inlet, Single Flanged, Top of Tank Position*		100 psig / 6.9 bar Inlet, Double Flanged, Top of Tank Position*		
			SCFH	SCMH	SCFH	SCMH	SCFH	SCMH	SCFH	SCMH	
3 in. / DN 80	C484-24-16	C483-24-16	71,000	2011	71,000	2011	96,000	2718	96,000	2718	
	C484-24-25	C483-24-26	NOT LISTED		127,000	3568	NOT LISTED		148,000	4191	
	C484-24-40	C483-24-40	181,000	5125	181,000	5125	190,000	5380	190,000	5380	

* See Internal Valve Flow Positions (page 49) for description of Bottom of Tank, Top of Tank and Horizontal Flow Positions.