

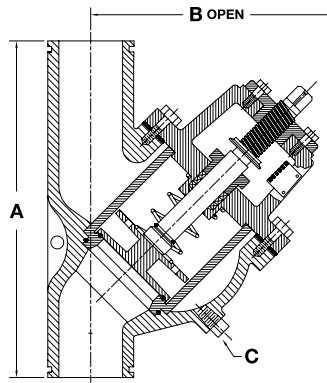
TRIPLE DUTY VALVES

Model TD830 Triple Duty Valve

The Model TD830 Triple Duty Valve is designed for installation in pump discharge piping where it functions as a spring loaded silent check valve, flow control valve and shut-off valve.

The Model TD830 Triple Duty Valve operates automatically and silently. Line pressure of approximately 1/4 PSI will open the disc. The spring closes the disc as the line flow approaches zero in order to prevent flow reversal and water hammer. The flow through the valve can be adjusted from bubble tight shut-off to full flow by the acme threaded rising stem.

The Model TD830 Triple Duty Valve can be installed quickly into grooved end piping systems with two Grinnell couplings. The externally guided disc has a soft seat to ensure a leak-tight seal. It lifts 1/3 inch for each inch of pipe diameter. The rising stem design incorporates a graduated position indicator to ensure accurate disc positioning for throttling service. The yoke and valve stem are unwetted external parts so they cannot be corroded or eroded by the line fluid. All mating threaded parts are made of dissimilar, non-galling metals. An NPT drain plug is provided, as well as bosses for gauge taps at the inlet and outlet.



Tech Data: G390

Nominal Pipe Size		Nominal Dimensions			Approx. Weight Lbs. (kg)
ANSI Inches DN	O.D. Inches (mm)	A Inches (mm)	B Inches (mm)	C NPT	
2 DN50	2.375 (60.3)	9.375 (238.1)	9.625 (244.5)	1/2 (15)	23.0 (10.0)
2 1/2 DN65	2.875 (73.0)	10.250 (260.4)	9.625 (244.5)	1/2 (15)	24.0 (10.9)
3 DN80	3.500 (88.9)	11.250 (285.8)	10.125 (257.2)	1/2 (15)	33.0 (15.0)
4 DN100	4.500 (114.3)	15.625 (397.9)	11.125 (282.6)	1/2 (15)	84.0 (38.0)
5 DN125	5.563 (141.3)	15.625 (397.9)	11.125 (282.6)	1/2 (15)	84.0 (38.0)
6 DN150	6.625 (168.3)	19.625 (498.5)	17.500 (444.5)	3/4 (20)	156.0 (70.0)
8 DN200	8.625 (219.1)	23.625 (600.0)	18.000 (457.2)	3/4 (20)	300.0 (136.0)
10 DN250	10.750 (273.1)	28.000 (711.2)	19.875 (504.8)	1 (25)	392.0 (178.0)
12 DN300	12.750 (323.9)	31.625 (803.3)	25.000 (635.0)	1 (25)	496.0 (225.0)
14 DN340	14.000 (355.6)	33.500 (851.0)	25.000 (635.0)	1 (25)	790.0 (358.3)

MATERIAL SPECIFICATIONS

Body & Yoke Specifications

- Ductile iron conforming to ASTM A-536 or A-395

Seat Guide

- Bronze conforming to ASTM B-62, 85/5/5/5

Disc

- Cast Iron conforming to ASTM A-126-B

Spring

302 Stainless Steel

Stem

- Bronze conforming to ASTM B-21

Seat, Disc, and Stem O-Rings

EPDM

Seat

Bronze

Flanged Gland

- Cast Iron conforming to ASTM A-126-B

Cover Gasket and Packing

Non Asbestos

Stem Guide

- Ductile iron conforming to ASTM A-536 or A-395

Finish

- Black Paint

VALVES