

## MODEL DV-5

## DELUGE VALVE

*3-piece Configuration, Diaphragm Style,  
1-1/2 thru 8 inches, 250 psi,  
Vertical or Horizontal Installation*

### FEATURES & BENEFITS

- ◆ **One Internal Working Part**
- ◆ **No Linkage or Clapper Assembly**
- ◆ **Light Weight Ductile Iron Body**
- ◆ **Internally & Externally Coated**
- ◆ **External Resetting**
- ◆ **Diaphragm Operation.**
- ◆ **Ideal for most Seawater & Brackish Water Supplies**
- ◆ **Deluge, Preaction & Foam**
- ◆ **Suitable for Foam Systems**

### GENERAL DESCRIPTION

Tyco® Model DV-5 Deluge Valves are diaphragm type valves designed for vertical or horizontal installations and for fire protection system service. They are automatic water control valves for deluge, preaction, and special types of fire protection systems such as foam-water and double inter-lock systems. DV-5 Valves are also able to provide actuation of fire alarms upon system operation.

The diaphragm style design of the DV-5 Valve allows external resetting — providing for easy resetting of a deluge or preaction system without having to open a valve handhole cover to manually reposition a clapper and/or latch mechanism.

The one-piece, diaphragm style design is also internally and externally coated to provide corrosion resistance. The internal corrosion resistance offered by the Rilsan® T Blue 7443 MAC coating makes the DV-5 suitable for most seawater and brackish water supplies. The external corrosion resistance of the Rilsan coating of the DV-5 is suitable for corrosive atmospheres associated with many types of industrial processing plants and outdoor installations.



### TECHNICAL DATA

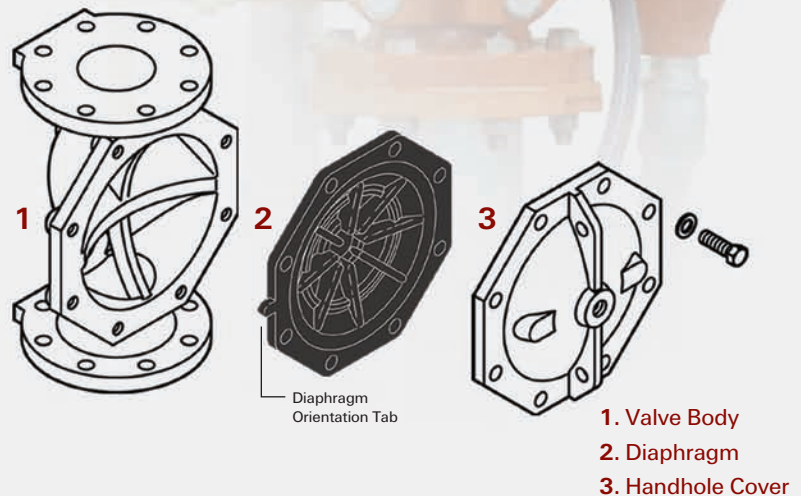
**Approvals:** UL and C-UL Listed.  
FM Approved.

**Diaphragm:** Nylon fabric reinforced natural rubber

**Body:** Rilsan® T Blue 7443 MAC coated ductile iron

**Patent:** U.S.A. No. 6,095,484

*Contact Arkema Inc. directly if you need to determine the corrosion resistance of the Rilsan coating for a specific application or environment.*



*Always refer to the **Technical Data Sheets** listed in the grey box, on the back page, for complete description of all Listing & Approval criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.*

# MODEL DV-5

# ORDERING PROCEDURE & SPECIFICATIONS

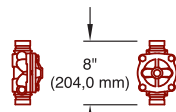
*End-to-end take outs and inlet/outlet connections*

## VALVE SIZE & CONNECTIONS

### 1-1/2" (DN40)

Groove x Groove **P/N:** 52-477-1-919

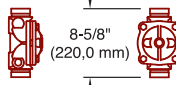
Thread x Thread **P/N:** 52-477-1-069



### 2" (DN50)

Groove x Groove **P/N:** 52-477-1-910

Thread x Thread **P/N:** 52-477-1-060

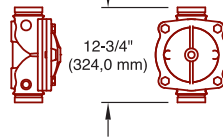


### 3" (DN80)

Groove x Groove **P/N:** 52-477-1-912

Flange x Groove **P/N:** 52-477-1-412

Flange x Flange **P/N:** 52-477-1-012

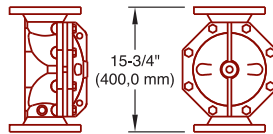


### 4" (DN100)

Groove x Groove **P/N:** 52-477-1-913

Flange x Groove **P/N:** 52-477-1-613

Flange x Flange **P/N:** 52-477-1-013

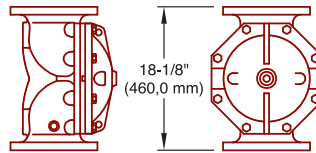


### 6" (DN150)

Groove x Groove **P/N:** 52-477-1-915

Flange x Groove **P/N:** 52-477-1-615

Flange x Flange **P/N:** 52-477-1-015

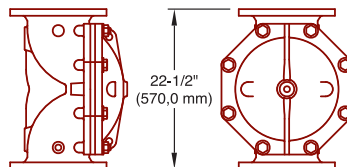


### 8" (DN200)

Groove x Groove **P/N:** 52-477-1-916

Flange x Groove **P/N:** 52-477-1-416

Flange x Flange **P/N:** 52-477-1-016



## DELUGE VALVE WEIGHT COMPARISON (lbs.)

Size	Mfr. Model	T x T	G x G	F x G	F x F
1-1/2"	<b>TFP DV-5</b>	<b>9.0</b>	<b>8.0</b>	n/a	n/a
	VIC 758	n/a	16.7	n/a	n/a
	REL H	52.0	n/a	n/a	n/a
	VIK E-3	13.0	n/a	n/a	n/a
2"	<b>TFP DV-5</b>	<b>12.0</b>	<b>10.0</b>	n/a	n/a
	VIC 758	-	17.0	n/a	n/a
	VIK E-1	35.0	n/a	n/a	n/a
3"	<b>TFP DV-5</b>	-	<b>31.0</b>	<b>39.0</b>	<b>47.0</b>
	VIC	-	42.1	n/a	n/a
	VIK E-1	-	n/a	66.0	73.0
4"	<b>TFP DV-5</b>	-	<b>61.0</b>	<b>74.0</b>	<b>80.0</b>
	VIC 758	-	55.0	65.0	n/a
	VIK F-2	-	125.0	125.0	125.0
	VIK E-1	-	125.0	112.0	123.0
6"	<b>TFP DV-5</b>	-	<b>99.0</b>	<b>107.0</b>	<b>115.0</b>
	VIC 758	-	73.0	83.0	n/a
	VIK F-2	-	235.0	235.0	235.0
	VIK E-1	-	235.0	235.0	251.0
8"	<b>TFP DV-5</b>	-	<b>150.0</b>	<b>170.0</b>	<b>190.0</b>
	VIK F-1	-	405.0	n/a	405.0

### Technical Data Sheet Referral Listing:

**TFP1305** (DV5)

**TFP1310** (Wet Pilot Actuation)

**TFP1315** (Dry Pilot Actuation)

**TFP1320** (Electric Actuation)

**TFP1410** (Single Interlock, Wet Pilot Actuation)

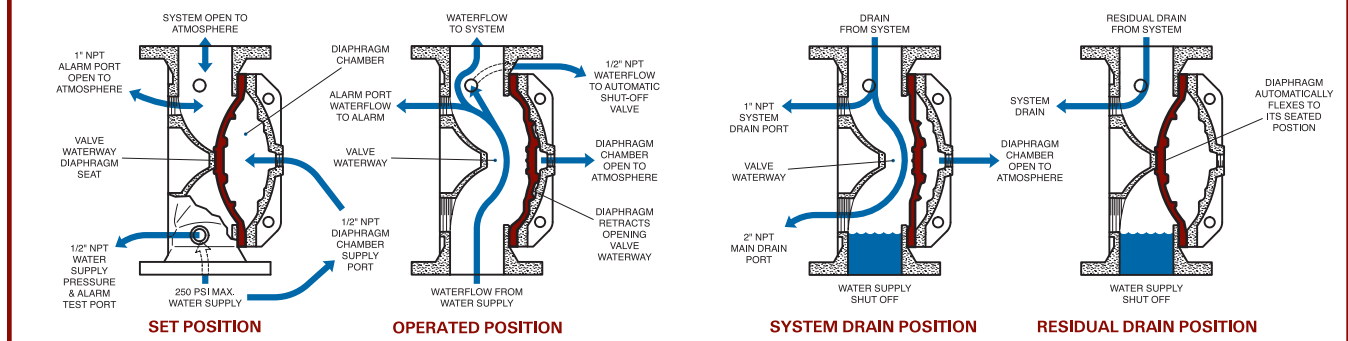
**TFP1415** (Single Interlock, Dry Pilot Actuation)

**TFP1420** (Single Interlock, Electric Actuation)

**TFP1460** (Double Interlock, Electric/Pneumatic Actuation)

**TFP1465** (Double Interlock, Electric/Electric Actuation)

## CUT-AWAY OF DV-5 VALVE



## Tyco Fire & Building Products

Technical Services

Phone: 800-381-9312

Fax: 800-791-5500

[www.Tyco-Fire.com](http://www.Tyco-Fire.com)

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