

NEW



TB Series True Union Ball Valves

1/4" - 1" PVDF

KEY FEATURES

- Available in sizes 1/4" - 1"
- Threaded or Socket Fusion (IPS) Ends
- Full Port Design
- FPM O-Ring Seals Standard, EPDM upon request
- Reversible PTFE Seats
- Double O-Ring Stem Seals
- Available with Electric or Pneumatic Actuation

OPTIONS

- Lockouts Available
- Pneumatic and Electric Actuators

MATERIALS

- Natural PVDF per ASTM D3222 Type 1
- FPM O-Ring Seals
- PTFE Seat

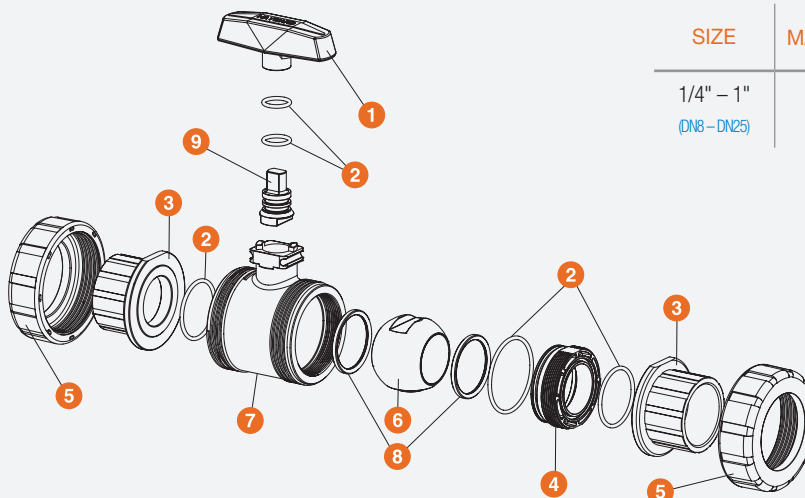
TYPICAL APPLICATIONS

- Chemical Processing, Handling and Feed Applications
- Water and Wastewater Treatment
- Pulp and Paper
- Marine and Corrosive Environments

*For installation, see IOM

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/4" - 1" (DN8 - DN25)	PVDF	Threaded or Socket Fusion (IPS)	FPM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

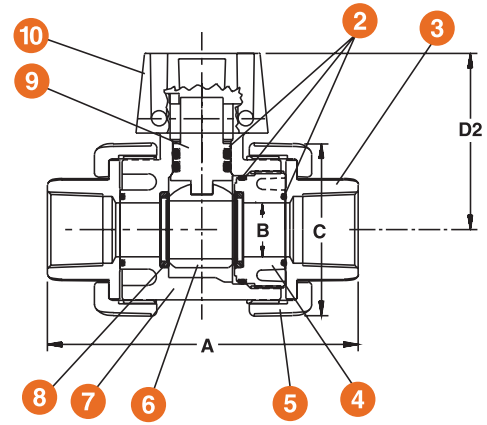
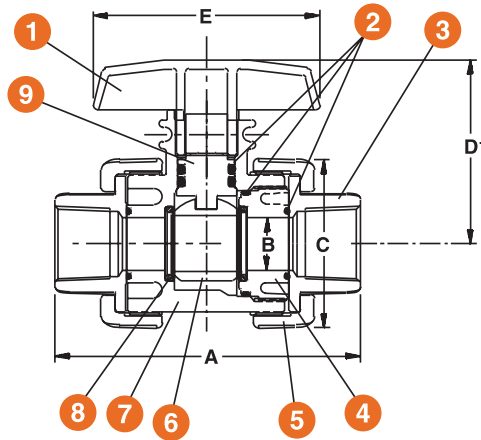
TB Series True Union Ball Check Valves

1/4" - 1" PVDF

TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Handle-PVC
 2. O-Ring Seals-FPM or EPDM
 3. End Connector-PVDF
 4. Seal Retainer-PVDF
 5. Union Nut-PVDF
 6. Ball-PVDF
 7. Body-PVDF
 8. PTFE Seats
 9. Stem-PVDF
 10. Actuator Mounting Pad
- * Mounting bracket sold separately



DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D1 in / mm	D2 in / mm	E in / mm	WEIGHT
							lbs / kg
							SOC / THD
1/4 / 8	4.65 / 118	.49 / 13	2.23 / 57	2.80 / 71	2.62 / 67	3.50 / 89	.75 / .34
3/8 / 10	4.65 / 118	.49 / 13	2.23 / 57	2.80 / 71	2.62 / 67	3.50 / 89	.75 / .34
1/2 / 15*	4.65 / 118	.49 / 13	2.23 / 57	2.80 / 71	2.62 / 67	3.50 / 89	.75 / .34
3/4 / 20*	4.84 / 123	.74 / 19	2.59 / 66	2.98 / 76	2.77 / 71	3.50 / 89	.75 / .34
1 / 25*	5.33 / 135	.93 / 24	2.98 / 76	3.31 / 84	3.10 / 79	4.00 / 102	1.15 / .52

Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES

SIZE in / DN	Cv VALUES
1/4 / 8	1.0
3/8 / 10	2.8
1/2 / 15	8.0
3/4 / 20	16.0
1 / 25	29.0

PRESSURE LOSS CALCULATION FORMULA

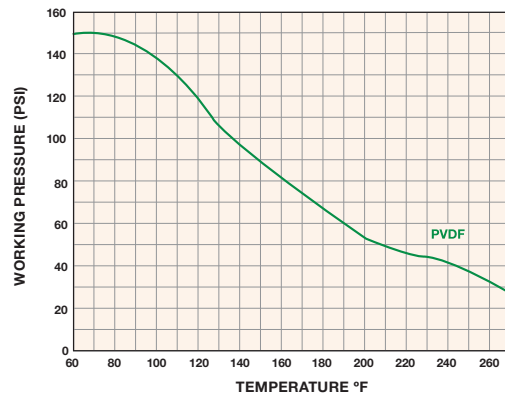
$$\Delta P = \left[\frac{Q}{Cv} \right]^2$$

ΔP = Pressure Drop

Q = Flow in GPM

Cv = Flow Coefficient

OPERATING TEMPERATURE/PRESSURE



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