

Type 546 Vented Ball Valve

Standard Features

- **Size**
3/8"-4"
- **Material**
PVC, CPVC
- **Available**
Socket
Threaded
Flanged
Spigot (PVDF and PP only)
- **Seat**
PTFE
- **Seals**
EPDM or FPM
- **Mounting**
Stainless steel threaded inserts
for easy and secure mounting

Optional Features

- **Actuation**
Electric actuation
Pneumatic actuation
- **Limit Switches**
Available for both manual and
actuated versions
- **Handles**
Lockable handle
Handle extension

Standards

- **NSF61**
Pending 2½", 3", 4"
- **ISO9393**

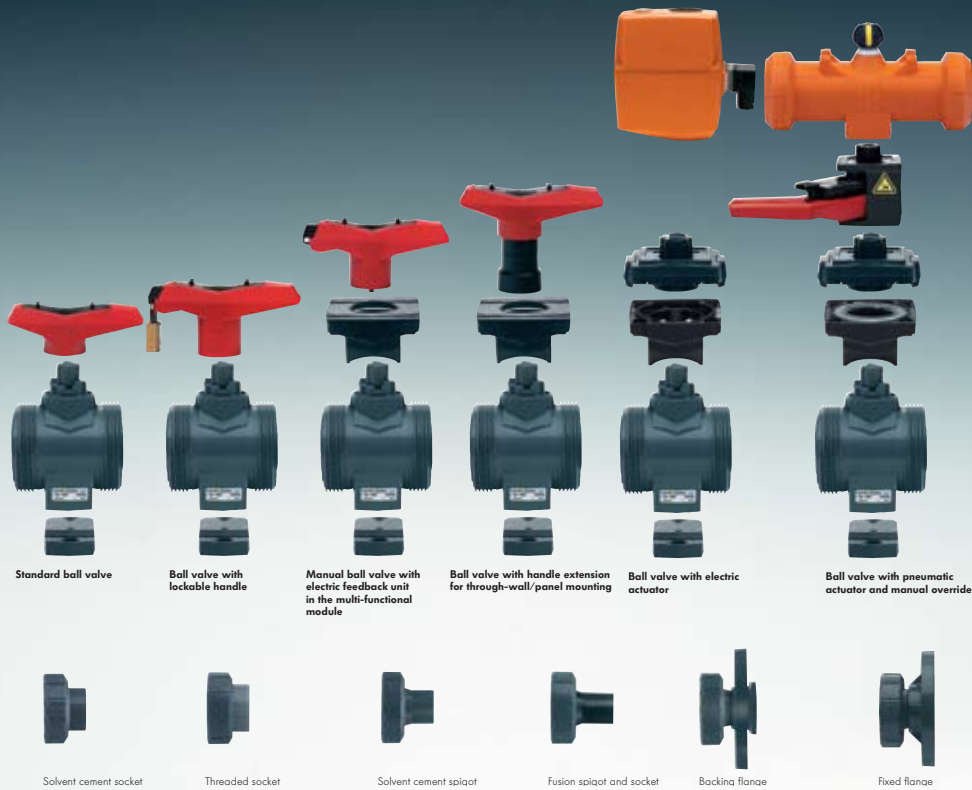


General

Based on Georg Fischer's premium ball valve series, the vented ball valve is designed for applications such as chlorinated water, water where bleach (sodium hypochlorite solutions) is present, and other applications where liquids requiring out-gassing exist.* The special vent on one side of the ball allows for pressure to be released back into the closed system. This helps prevent potentially dangerous pressure from building up inside the valve. Since the valve is based on the type 546 series, virtually all of the same accessories are available.

*Chemical applications vary from system to system. Issues such as concentration, temperature, and pressure all play a role. It is the responsibility of the individual user to verify compatibility and recommend every application be verified and tested by internal experts or a third party.

Ideal for Virtually any application

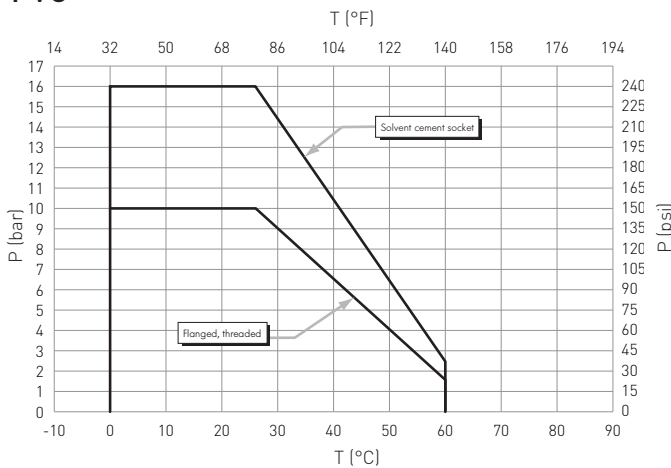


Technical Data

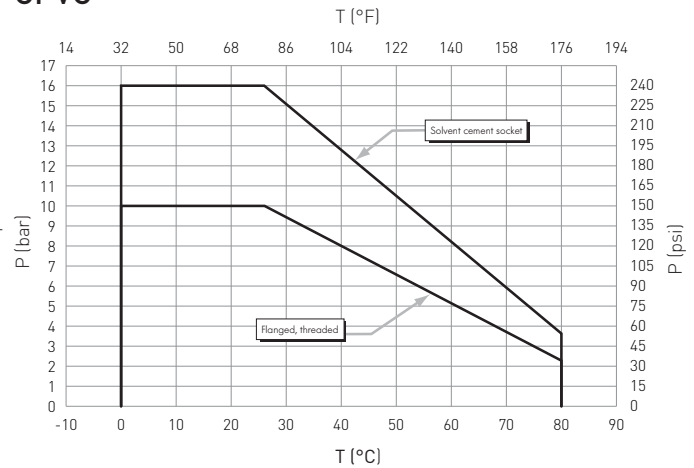
Pressure-Temperature Diagrams Technical data for Type 546 Vented Ball Valve 3/8"-4"

The following pressure temperature diagrams are based on a lifetime of 25 years and the medium water or similar media

PVC



CPVC





Type 546 True Union Vented Ball Valve-PVC

Solvent Cement Socket/Threaded NPT

Size ID Inch	EPDM Seals		FPM Seals	
3/8	V161 546 341		V161 546 351	
1/2	V161 546 342		V161 546 352	
3/4	V161 546 343		V161 546 353	
1	V161 546 344		V161 546 354	
1 1/4	V161 546 345		V161 546 355	
1 1/2	V161 546 346		V161 546 356	
2	V161 546 347		V161 546 357	
2 1/2	V161 546 348		V161 546 358	
3	V161 546 349		V161 546 359	
4	V161 546 350		V161 546 360	

Note: 2 1/2", 3", and 4" have socket ends only. See table below for larger NPT.



Type 546 True Union Vented Ball Valve-CPVC

Solvent Cement Socket/Threaded NPT

Size	EPDM Seals		FPM Seals	
3/8	V163 546 341		V163 546 351	
1/2	V163 546 342		V163 546 352	
3/4	V163 546 343		V163 546 353	
1	V163 546 344		V163 546 354	
1 1/4	V163 546 345		V163 546 355	
1 1/2	V163 546 346		V163 546 356	
2	V163 546 347		V163 546 357	
2 1/2	V163 546 348		V163 546 358	
3	V163 546 349		V163 546 359	
4	V163 546 350		V163 546 360	

Note: 2 1/2", 3", and 4" have socket ends only; NPT available upon request

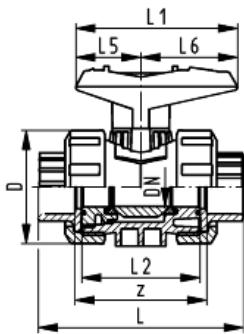
^ = 40% Restock Charge

* = Non-Cancelable
Non-Returnable

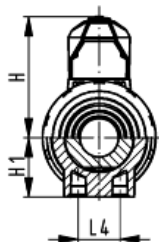
PVC/CPVC

With mounting inserts • With solvent cement sockets inch ASTM

• Inclusive 2 threaded valve ends NPT



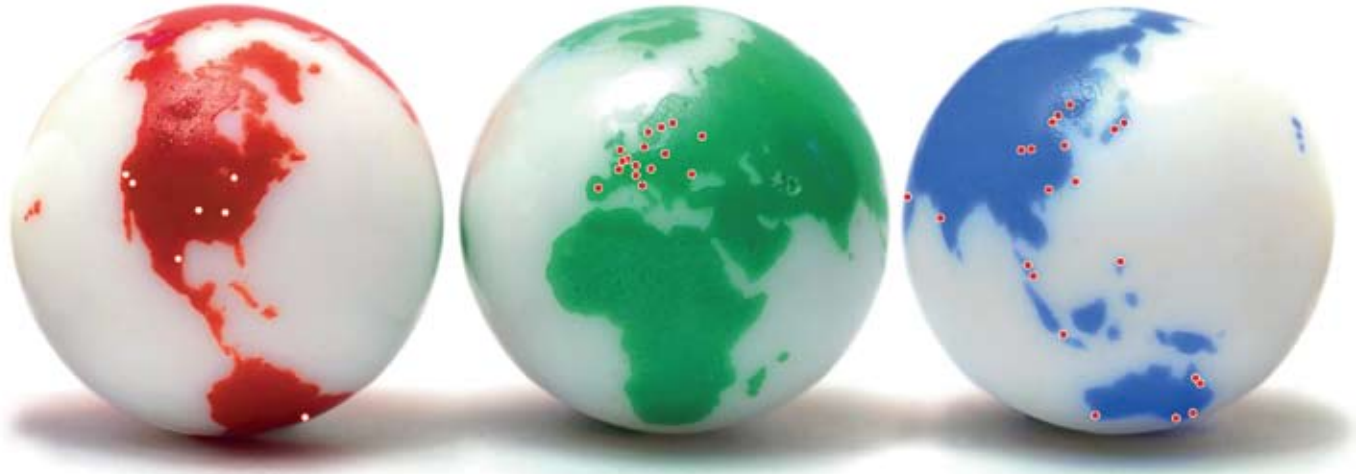
Inch	psi		Cv-value [gal/min]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]		L1 [mm]	L2 [mm]
	Socket	NPT						Socket	NPT		
3/8	232	150	4.9	50	57	27	12	105	98	77	56
1/2	232	150	12.9	50	57	27	12	105	98	77	56
3/4	232	150	24.5	58	67	30	12	121	111	97	65
1	232	150	49.0	68	73	36	12	133	127	97	71
1 1/4	232	150	70.0	84	90	44	15	154	147	128	85
1 1/2	232	150	112.0	97	97	51	15	164	157	128	89
2	232	150	217.1	124	116	64	15	183	183	152	101
2 1/2	232	150	350.0	166	149	85	15	233	234	270	136
3	232	150	490.0	200	161	105	15	254	255	270	141
4	232	150	770.0	238	178	123	22	301	302	320	164



L4 [mm]	L5 [mm]	L6 [mm]	M	Z [mm]
25	32	45	M6	67
25	32	45	M6	61
25	39	58	M6	70
25	39	58	M6	76
45	54	74	M8	90
45	54	74	M8	94
45	66	87	M8	107
70	64	206	M8	144
70	64	206	M8	151
120	64	256	M12	174

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