

Diaphragm Valves

1/2" to 2" - PVC, Corzan[®] CPVC, PPL



Features

- Double Stem Seals
- Rated to 225 PSI
- Position Indicator
- Diaphragm Saver[™]
- Choice of EPDM, Viton[®] or PTFE Diaphragms

Corzan[®] is a trademark of Noveon, Inc.

Options

- Automatic, Pneumatic Operation

Superior Design Means Superior Performance

Hayward all-plastic diaphragm valves have been specifically designed to perform in the most demanding liquid, gas, and slurry applications in both of/off and modulating service.

Diaphragm Saver[™]

The Diaphragm Saver travel stop is a standard feature on all sizes of Hayward Diaphragm Valves. Its special design prevents overcompression of the diaphragm and prolongs its service life.

Positive, Visual Position Indication

Hayward's standard highly visible, beacon-type position indicator will always give positive position indication, unlike rising stem indicators that can be inaccurate because of misadjusted stems.

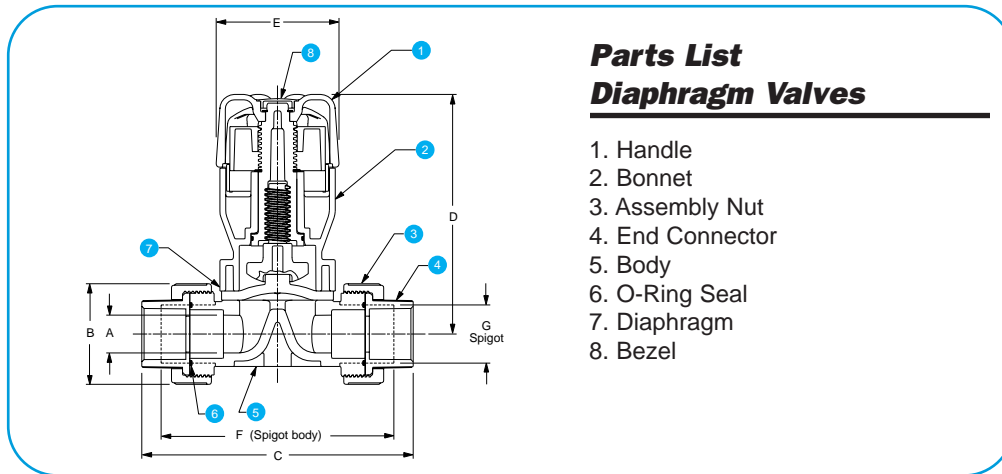
True Union Design

Hayward Diaphragm Valves with socket or threaded connections have a true union design so that they can be removed from the line without having to disconnect piping connections.

No Metal, No Corrosion

These valves have no wetted metal components. The valves will never fail because of corrosion and they do not require painting or epoxy coating to stand up to aggressive environments.

Technical Information



Parts List Diaphragm Valves

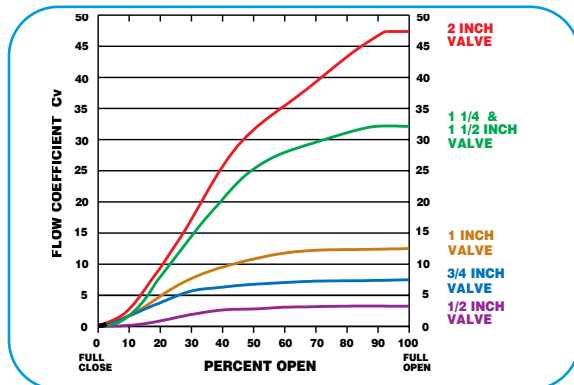
1. Handle
2. Bonnet
3. Assembly Nut
4. End Connector
5. Body
6. O-Ring Seal
7. Diaphragm
8. Bezel

Dimensions – Inches / Millimeters

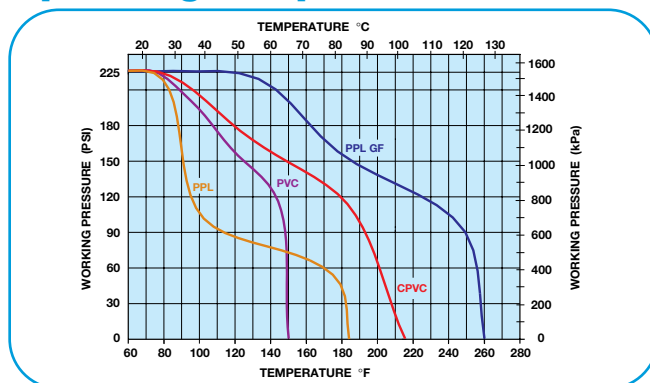
Size	A	B	C	D	E	F	G - PPL	Weight (lb / kg)
1/2" / 20*	0.59 / 15	2.25 / 57	5.79 / 147	5.46 / 139	2.50 / 64	4.88 / 124	0.840"	1.5 / .68
3/4" / 25*	0.79 / 20	2.25 / 57	6.50 / 165	5.55 / 140	2.50 / 64	5.67 / 144	1.050"	2.0 / .90
1" / 32*	0.98 / 25	2.62 / 67	7.07 / 180	6.24 / 158	3.19 / 81	6.06 / 154	1.314"	3.3 / .90
1-1/4" / 40*	1.58 / 40	3.56 / 90	9.33 / 237	8.40 / 213	4.00 / 102	n/a	n/a	5.7 / 2.6
1-1/2" / 50*	1.58 / 40	3.56 / 90	9.89 / 251	8.40 / 213	4.00 / 102	7.64 / 194	1.900"	5.7 / 2.6
2" / 63*	1.97 / 50	4.00 / 102	11.15 / 283	8.71 / 221	4.00 / 102	8.82 / 224	2.375"	8.6 / 3.9

* Metric End Connections Available in: BSP – Straight Thread, BSP TR – Tapered Thread and Metric Socket

Flow Rates



Operating Temperature/Pressure



Note: Valves with PTFE diaphragms rated at 150 psi only.

Selection Chart

Size	Material	End Conn.	Diaphragm	Rating
1/2" - 2"	PVC/CPVC	Socket/Threaded	Viton®, EPDM, PTFE	225 psi manual 150 psi actuated
1/2" - 2"	PPL*	Spigot**	Viton®, EPDM	@ 70F non-shock

* No 1-1/4" in PPL

** Spigot Not True Union

Note: Valves with PTFE diaphragms rated at 150 psi only.

Pressure Loss Calculation Formula

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

ΔP = Pressure Drop
 Q = Flow in GPM
 C_v = Flow Coefficient



HAYWARD®

Hayward Industrial Products, Inc.

One Hayward Industrial Drive, Clemmons, NC 27012
 Tel: 1-888-429-4635 (1-888-HAYINDL) • Fax: 1-888-778-8410
 E-mail: industrial@haywardnet.com
 Web Site: <http://www.haywardindustrial.com>

Hayward Industrial Products (UK) Ltd.

Unit 2, Crowngate, Wyncolls Road
 Colchester, Essex C04 9HZ
 Tel: +44 (0) 1206 854454 • Fax: +44 (0) 1206 851240

MC-1-DPHG Rev. 4 Printed in U.S.A.