

Formerly known as



**NORDSTROM®**  
**POLYVALVE®**

Nordstrom® is a registered trademark of Flowserve®

**POLYVALVE POLY-WATER® VALVES**

POLYETHYLENE VALVES

FOR WATER, WASTEWATER, AND IRRIGATION

[www.AndronacoSAS.com](http://www.AndronacoSAS.com)



*The Original Is Still The Best!*  
*Over 3,000,000 Sold!*

**ANDRONACO<sup>S.A.S.</sup>**



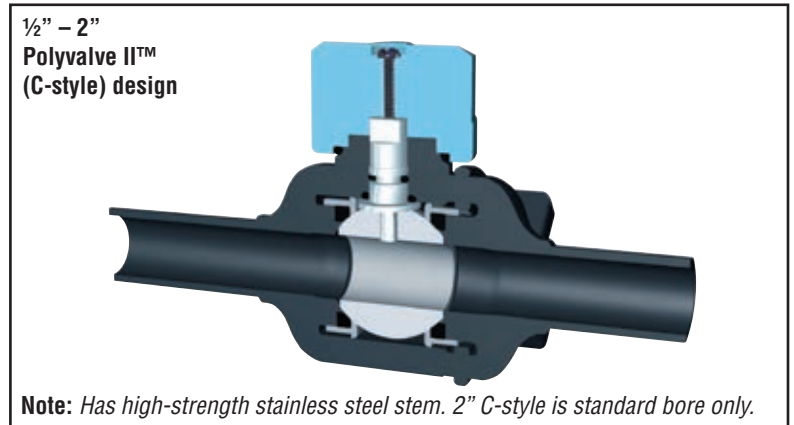
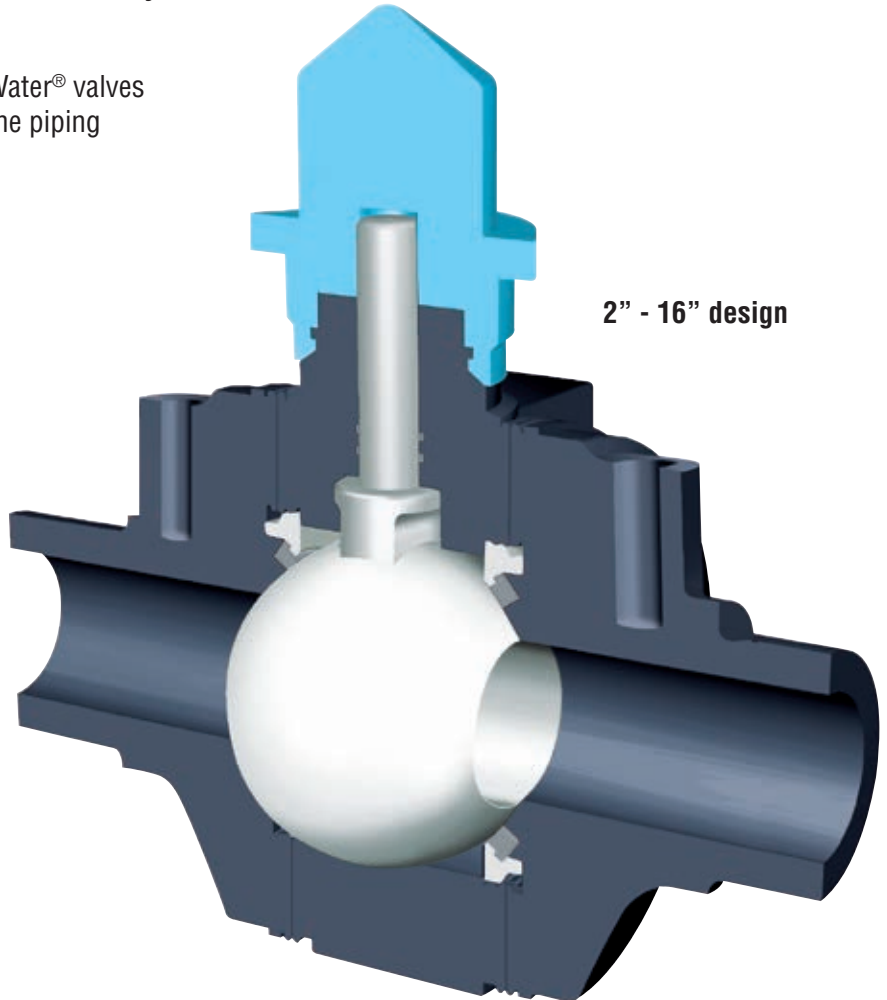
**Polyvalve®**

## Why use Polyvalve Poly-Water<sup>®</sup> valves?

Polyvalve Poly-Water<sup>®</sup> valves are everything you'd expect from the company that invented polyethylene valves.

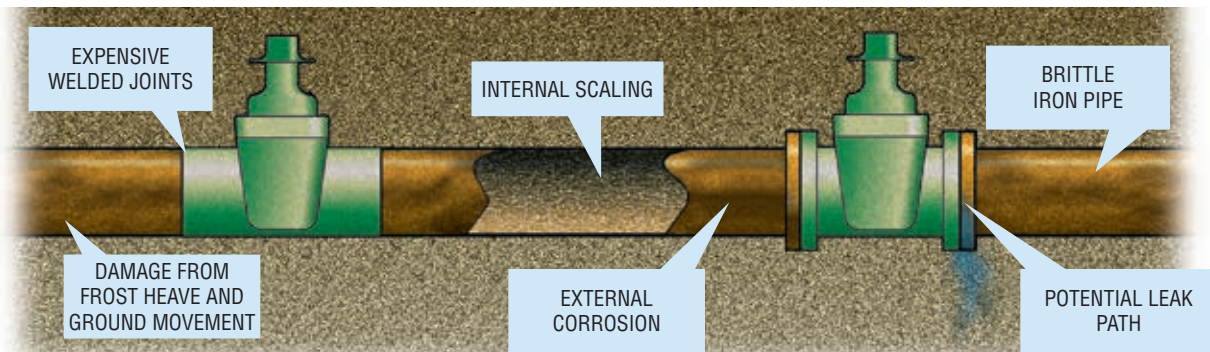
More than **three million** Polyvalves have been sold since 1976 and are in use throughout the world. Here's why:

- Rugged and reliable Polyvalve Poly-Water<sup>®</sup> valves are the strongest part of a polyethylene piping system.
- Drop-tight shutoff from dual elastomeric seats.
- Fused body shell removes leak paths to atmosphere.
- Multiple elastomeric stem seals.
- No metal internal parts.
- High-grade polymeric materials eliminate corrosion.
- Smooth full bore gives excellent flow characteristics in both full and standard port designs.
- Wide variety of trim for your specific application.
- Flanged and Transition end configuration available.



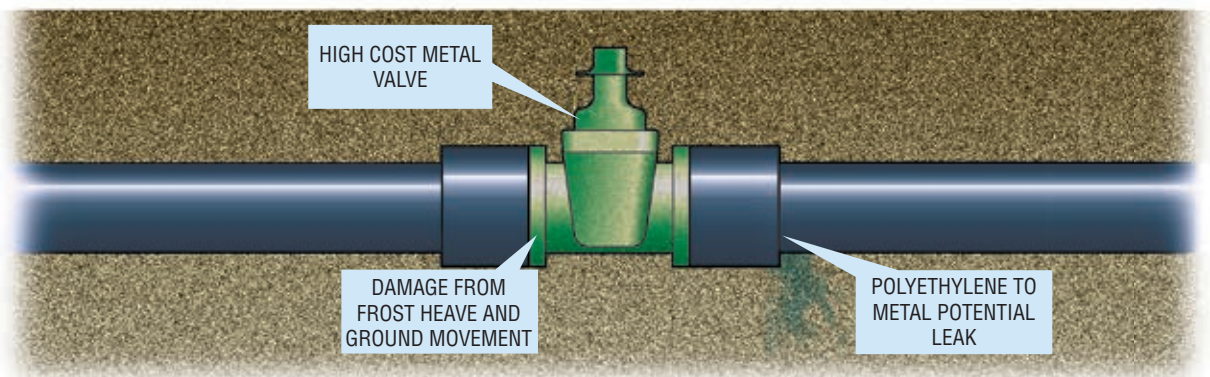


## Why use polyethylene valves?



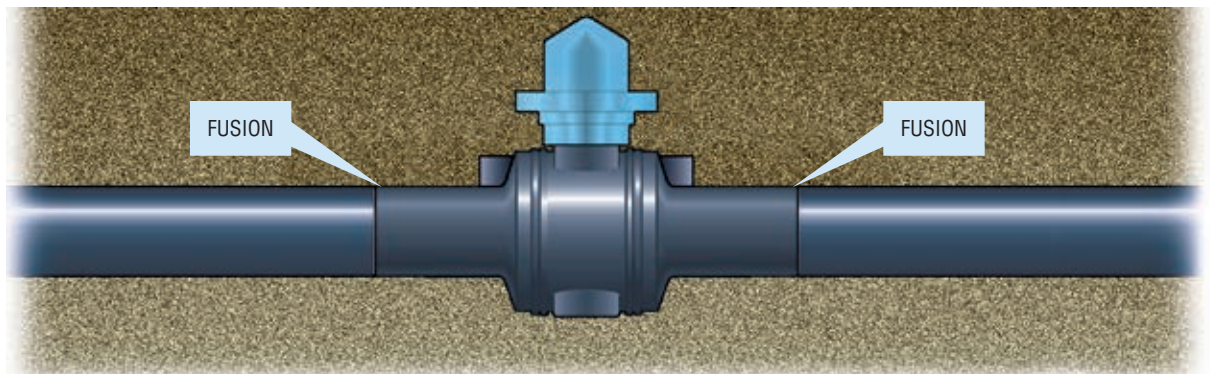
### All Metal System (Welded or Bolted)

- Subject to external corrosion, internal scaling and damage from ground movement.
- Too-rigid pipe can rupture during frost heave or heavy pressure in hot weather.
- 30% of all system water is lost to leaks.



### Polyethylene Pipe-to-Metal Valve Installation:

- Subject to the inherent weakness of combining incompatible materials.
- Vulnerable to ground movement during extremes of cold or heat.
- 30% of all systems water is lost to leaks.



### All-Polyethylene Systems:

- Intrinsicly safe—the valve is an integral part of the pipe.
- No leak points.
- No chance of corrosion.
- Flexible polyethylene systems less susceptible to ground movement.

# Poly-Water<sup>®</sup> Valve Availability

## MATERIALS

Item	Potable Water NSF / ANSI 61		Wastewater		Irrigation	
	1/2" through 2" Standard Port	2" Full Port Through 16"	1/2" through 2" Standard Port	2" Full Port Through 16"	1/2" through 2" Standard Port	2" Full Port Through 16"
Body			Polyethylene			
Adapter			Polypropylene*			
Ground Water Seal			Neoprene			
Seat	EPDM		VKM (Viton)		Buna-N	
Stem Seal	EPDM		VKM (Viton)		Buna-N	
Ball	Acetal	Polypropylene	Acetal	Polypropylene	Acetal	Polypropylene
Seat Retainer	Acetal	Polypropylene	Acetal	Polypropylene	Acetal	Polypropylene
Stem	Stainless Steel	Modified Phenylene Oxide	Stainless Steel	Modified Phenylene Oxide	Stainless Steel	Acetal

**Note:** 12" has gear box and cast iron 2" square nut adapter.

8" will have a choice of either gearing or wrench.

\* 8" Wrench adapter material is Acetal.

Acetal should not be used in services with more than 3 parts per million chlorine.

*Available with flanged ends. Contact the factory for dimensions and pricing.*

## Body and End Resin Chart

Polyvalve Poly-Water<sup>®</sup> valves are available in HDPE only.

Resin Supplier	Material Designation	Color	ASTM Material	Material Density
Dow	DGDA 2490	Black	PE3408/4710	High



**Maximum Allowable Service Pressures for Polyvalve Poly-Water<sup>®</sup> Valves DGDA 2490 (Additional SDR sizes are available, please consult factory.)**

	SDR 9		SDR 11		SDR 13.5		SDR 17	
	psig	bar	psig	bar	psig	bar	psig	bar
<b>PE 3408/4710 Material</b>								
@74 °F	200	13.8	160	11	128	8.8	100	6.9
@23 °C	200	13.8	160	11	128	8.8	100	6.9

\* Consult factory for higher pressures.



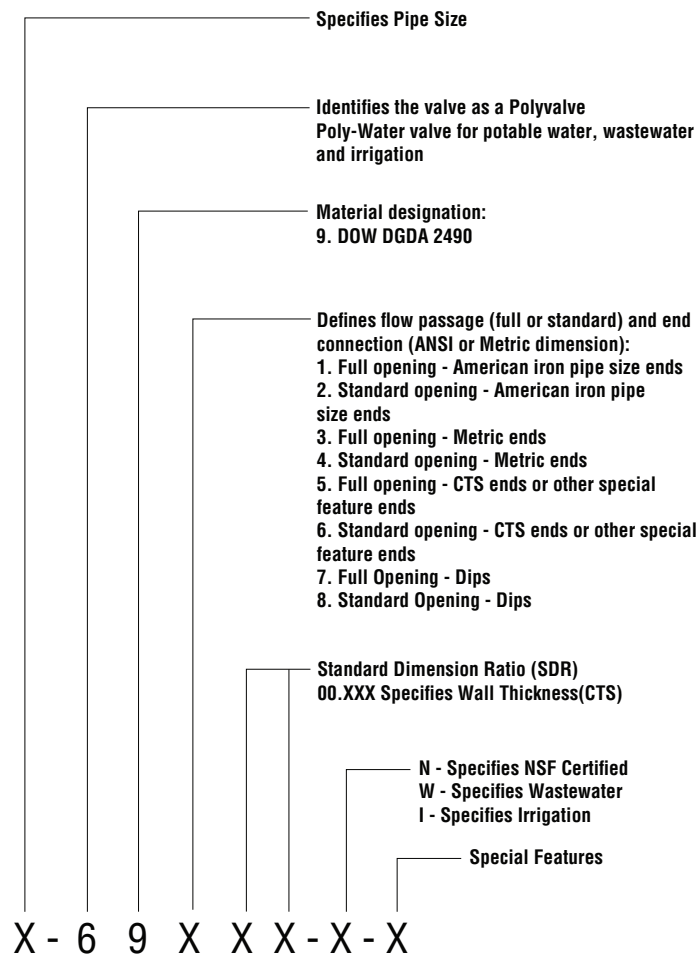


## How to Order

Please provide the following information when you order:

- Valve size
- Valve body material
- Full or standard bore
- Standard Dimension Ratio (SDR) number
- Butt fusion end configuration is standard
- Flanged and transition end configuration available

### Polyvalve Poly-Water<sup>®</sup> Valve Figure Number System



Special feature ends include integral socket ends, stub ends SDR, flanges, transition, pups, stem extensions, venting, purge, bypass, etc.



With sizes up to 16" Polyvalve Poly-Water valves come in the widest range of sizes on the market. They're shipped in cartons to shield them from ultraviolet light and protect the valve ends from damage.

#### FOR USE IN:

- POTABLE WATER
- WATER AND WASTEWATER\*
- IRRIGATION
- STORM SEWER
- GRAVITY SEWER
- GEOTHERMAL

There are currently no AWWA standards relating to PE valves. However: ½" – 3" Polyvalve Poly-Water<sup>®</sup> valves are suitable for use with PE pipe and tubing complying with AWWA C901.

Sizes 4" – 16" Polyvalve Poly-Water<sup>®</sup> valves for potable water comply with the relevant fittings clauses of AWWA C906.

Polyvalve is an ISO 9001 certified company.

\* For ½" - 2" Polyvalve II (C-style), Poly-Water<sup>®</sup> valves are recommended for water with a pH range of 6 to 8. For applications with pH outside of this range consult customer service.

\*Available in Copper Tubing Standard sizes (CTS)

\*Available in ductile iron pipe standard. (Dips)



## Polyvalve

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POLYVALVE

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visit [www.PolyvalveUSA.com](http://www.PolyvalveUSA.com) or call 616-656-2260**

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While the information and specifications contained in this literature are believed to be accurate, they are supplied for informative purposes only and should not be considered certified or as a guarantee of satisfactory results by reliance thereon. Nothing contained herein is to be construed as a warranty or guarantee, express or implied, regarding any matter with respect to this product. Because Polyvalve is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice. Should any question arise concerning these provisions, the purchaser/user should contact Polyvalve at any one of its worldwide operations or offices.

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