

TECHNICAL DATA SHEET  
**VALVES FOR  
NORTH AMERICA**

Products for water transportation with the safety guarantee that your work needs.



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# TECHNICAL DATA SHEET

## VALVES FOR NORTH AMERICA



**Origin:**

Valves designed and produced by THC CHILE S.A.

**Raw Material:**

Polysulfone = Commercial use

**Diameters:** 3/8" and 1/2"

Color Polysulfone Black and Acetal White

Product compliant with standards

**Standards:** ASME A112.18.1 / CSA B125.1, Version 2012

**Certification:** NSF (National Science Foundation)



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### Laboratory Tests:

Pressure and Temperature:  $140 \pm 14$  kPa ( $20 \pm 2$  psi) at  $66 \pm 6^\circ\text{C}$   
 $860 \pm 14$  kPa ( $20 \pm 2$  psi) at  $10 \pm 6^\circ\text{C}$

Minimum Flow Rate (L/min):  $3/8'' = 21$   
 $1/2'' = 36$

Compression Model:  $3/8'' = 15$   
 $1/2'' = 21$

Burst Pressure: Hydrostatic Pressure of 3450 kPa (500 psi) for 1 minute

Operation Torque:  $1/2''$  and smaller = 1.7 Nm  
Greater than  $1/2'' = 2.8$  Nm

Life Cycle:

Movements: 2,000 cycles to comply with passage or distribution valves  
1 cycle consists of opening - closing - opening movements  
each with 1.2 seconds

Temperature: 7 cycles with water flowing at  $66.6 \pm 6^\circ\text{C}$   
7 cycles with water flowing at  $66.6 \pm 6^\circ\text{C}$

Test Pressure: 3.45 bar (50 psi) dynamic pressure

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