

**SUBMITTAL SHEET**

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE



**NO LEAD COMPACT WATER PRESSURE REDUCING VALVE**

**T-6801NL**

Lead-free design is suitable for all no-lead potable water installations, in full compliance of the lead-free plumbing laws.

Protects water systems by reducing incoming water pressure.

Factory pre-set at 50 psi outlet pressure.

Adjustable outlet pressure range: 25 to 75 psi.

Can be installed vertically or horizontally.

Integral strainer permits in-line cleaning.

Equipped with a thermal expansion bypass.

**Working Pressure, Non Shock (PSI)**

Cold Water Pressure: 300 psi (max.)

Saturated Steam: Not suitable for steam

Maximum service temperature: 180°F

Maximum inlet water pressure: 300 psi

Maximum flow capacity\*

1/2" at 21 GPM

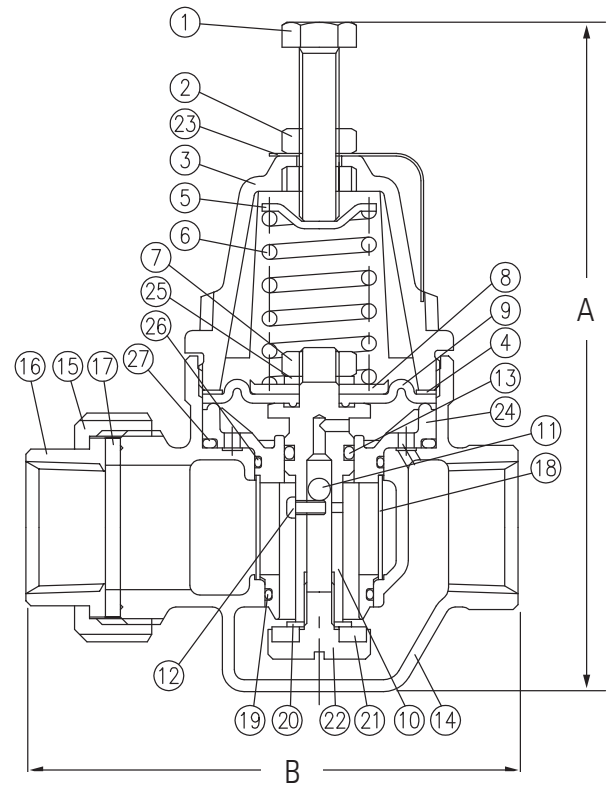
3/4" at 30 GPM

1" at 50 GPM

\*GPM based on 25 psi pressure drop



**Pictured  
T-6801NL**



**Pictured  
T-6801NL  
Cut-away**

**MATERIAL SPECIFICATION**

PART	MATERIAL	SPECIFICATION
1	Adjustment bolt	Cadmium Plated Steel ASTM A283-D
2	Lock nut	Cadmium Plated Steel AISI-1010
3	Bonnet	Polycarbonate resin, glass-fiber reinforced Commercial grade
4	Anti-friction ring	Stainless steel AISI 304
5	Spring disc	Zinc Plated Steel ASTM A283-D
6	Spring	Cold-drawn steel wire ASTM A227M-91
7	Diaphragm nut	Cadmium Plated Steel AISI-1010
8	Diaphragm disc	Zinc Plated Steel ASTM A283-D
9	Diaphragm	Reinforced NBR (Buna-N) Rubber Commercial grade, Nylon-reinforced
10	Stem	Lead-free forged brass UNS Alloy C46400
11	Check-ball	NBR (Buna-N) Rubber Commercial grade
12	Ball retaining screw	Stainless Steel AISI 304
13	Stem O-ring	NBR (Buna-N) Rubber Commercial grade
14	Body	Lead-free cast brass UNS Alloy C87850 Eco brass
15	Union nut	Cast Brass ASTM B584 UNS C85700
16	Union tailpiece	Lead free forged brass UNS Alloy C46400
17	Union washer	NBR (Buna-N) Rubber Commercial grade
18	Strainer screen	Stainless Steel AISI 304
19	Seat O-ring	NBR (Buna-N) Rubber Commercial grade
20	Plunger washer	Stainless Steel AISI 304
21	Plunger seat	NBR (Buna-N) Rubber Commercial grade
22	Plunger	Lead-free forged brass UNS Alloy C46400
23	Identification plate	Aluminum ASTM B209 1100
24	Carrier sleeve	Polycarbonate resin Commercial grade
25	Spring washer	Cold-drawn steel ASTM A227M-91
26	Body-sleeve O-ring	NBR (Buna-N) Rubber Commercial grade
27	Upper sleeve O-ring	NBR (Buna-N) Rubber Commercial grade

**DIMENSIONS**

Size	A*	B
1/2"	5.24	4.02
3/4"	5.24	4.02
1"	6.57	4.61

\*Height of A dimension based on factory setting of 50 psi.

**Certifications/Listings:**

Third party certified

ANSI/NSF 61: Drinking water system components health effects.

ANSI/NSF 372: Drinking water system components lead content.

ASSE 1003: Performance requirements for water pressure reducing valves for domestic water distribution.

CSA B356: Water pressure reducing valves for domestic water supply systems.

**Standards:**

ANSI/ASME B1.20.1: Pipe threads, general purpose, Inch.