



Mixing Safety & Performance for Over 100 Years

SHOWER VALVES AND ACCESSORIES



4500 Series Aquatrol®



PAM®II



7600 Showermaster®



6700 Series Advantage®



ASSE 1016

Made in the USA with Domestic and Imported Parts

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4500 AQUATROL® SERIES - ASSE 1016 TYPE P LISTED

Leonard Pressure Actuated Water Mixing Valves

- For shower and bath applications in hospitals, nursing homes, institutions, hotels, dormitories, apartments, health clubs and similar commercial installations
- Control rod group includes a durable stainless steel pressure balancing piston which equalizes hot and cold supply pressures to keep shower temperature constant
- With the handle in the OFF position, hot and cold water entries into the valve are shut down completely, eliminating the possibility of cross connection
- The upper valve (cold) and lower valve (hot) seat is removable
- Maximum operating pressure: 125 PSI (860 kPa)
- If hot or cold supply should fail, the automatic shutdown feature reduces flow to prevent a continued spray of all hot or all cold water

4500 Aquatrol® Series Selection Guide

4500	1/2" inlets and outlet
4500-LR	Ligature Resistant Handle
4501	4500 valve, H-05 shower head, 2.5 GPM, arm and flange
4503	4500 valve, D diverter spout, H-05 shower head
4505	4500 valve, D-2L inline diverter valve, 501P(G) hand shower, 2.5 GPM, with 24" glide rail, inline double check valve backflow preventer, H-05 shower head
4507	4500 valve, D diverter spout, 501P(G) hand shower, 2.5 GPM, with 24" glide rail, inline double check valve backflow preventer
4509	4500 valve, D diverter spout, D-2L inline diverter valve, H-05 shower head, 2.5 GPM, arm and flange, 501P(G) hand shower, 2.5 GPM, with 24" glide rail, inline double check valve backflow preventer
4511	4500 valve, H-06 fixed spray institutional shower head, 2.5 GPM

Standard features include:

- 1/2" inlets, 1/2" top outlet, 1/2" bottom outlet
- Adjustable high temperature limit stop set for 110°F (43°C) with an incoming hot water supply temperature of 135°F (57°C)
- Combination angle checkstops on inlets
- Built-in shutoff, single handle operation
- Bronze, brass, and stainless steel construction
- Color-coded dial, OFF through HOT, directional indicators
- Cast lever handle and wall flange, chrome plated
- Factory tested

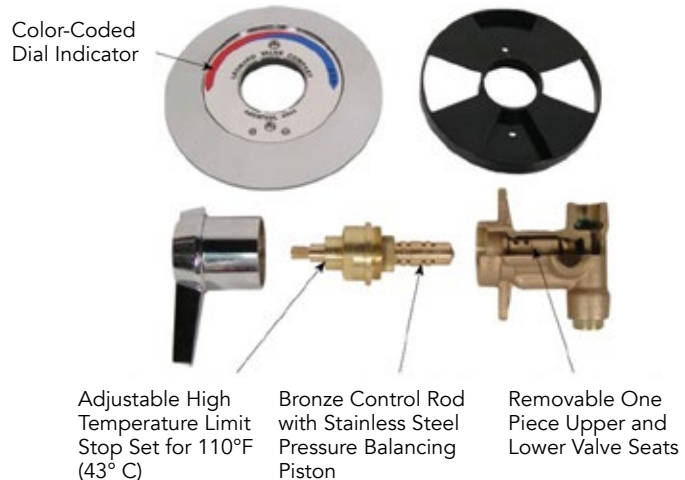


4500



4500-LR

4500 Aquatrol® Series Features



PAM® II SERIES - ASSE 1016 TYPE P LISTED

Leonard Pressure Actuated Water Mixing Valves

- For shower and bath applications in health care, educational, penal, industrial, recreational and other commercial/institutional applications
- Control rod group includes a durable stainless steel pressure balancing piston, which equalizes hot and cold supply pressures to keep shower temperature constant
- With the handle in the OFF position, hot and cold water entries into the valve are shut down completely, eliminating the possibility of cross connection
- The upper valve (cold) and lower valve (hot) seat is removable
- Inlet stops or checkstops optional on concealed models, checkstops standard on exposed model
- Maximum operating pressure: 125 PSI (862 kPa)
- If hot or cold supply should fail, the automatic shutdown feature reduces flow to prevent a continued spray of all hot or all cold water

PAM® II Series Selection Guide

PAM®II-ST-F	1/2" inlets and outlet
PAM®II-ST-F-LR	Ligature Resistant Handle
PAM®II-E	Exposed, 1/2" inlets and outlet, integral wall support, integral combination inlet, chromeplated finish
51-1D	PAM-II-ST-F valve, H-02 brass shower head, 2.5 GPM, arm and flange
51-2D	PAM-II-ST-F valve, D diverter spout, H-02 brass shower head, 2.5 GPM, arm and flange
51-3D	PAM-II-ST-F valve, D-2L inline diverter fitting, H-02 brass shower head, 2.5 GPM, arm and flange, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
51-4D	PAM-II-ST-F valve, D diverter spout, D-2L inline diverter fitting, H-02 brass shower head, 2.5 GPM, arm and flange, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
51-5D	PAM-II-ST-F valve, D-2L inline diverter fitting, TS tub spout, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
51-6D	PAM-II-ST-F valve, H-06 fixed spray institutional shower head, 2.5 GPM

Standard features include:

- Tub and/or shower installation
- 1/2" inlets, 1/2" top outlet, 1/2" bottom outlet
- Adjustable high temperature limit stop set for 110°F (43°C) with an incoming hot water supply temperature of 135°F (57°C)
- Built-in shutoff, single handle operation
- Bronze, brass, and stainless steel construction
- Color-coded dial, OFF through HOT, directional indicators
- Cast lever handle, cast heavy wall flange, chrome plated finish
- Factory assembled and tested as a complete unit
- Angle checkstops, copper tube connections



PAM-II-ST-F



PAM-II-ST-F-LR



PAM-II-E

6700 ADVANTAGE® SERIES - ASSE 1016 TYPE P LISTED

Leonard Pressure Actuated Water Mixing Valve With Integral Dial Thermometer

- For institution, commercial or residential applications
- Control rod group includes a durable stainless steel pressure balancing piston, which equalizes hot and cold supply pressures to keep shower temperature constant
- With the handle in the OFF position, hot and cold water entries into the valve are shut down completely, eliminating the possibility of cross connection
- The upper valve (cold) and lower valve (hot) seat is removable
- Maximum operating pressure: 125 PSI (862 kPa)
- Integral dial thermometer, bi-metal type, color-coded dual scale, white indicator on black background, shatterproof Lexan®, hermetically sealed
 - Blue: 70 to 90°F (21 to 32°C)
 - Green: 90 to 105°F (32 to 40°C)
 - Red: 105 to 120°F (40 to 49°C)
 - White indicator, black background
 - Type 304 stainless steel case, bezel and stem (hermetically sealed)
- If hot or cold supply should fail, the automatic shutdown feature reduces flow to prevent a continued spray of all hot or all cold water

6700-F Advantage® Series Selection Guide

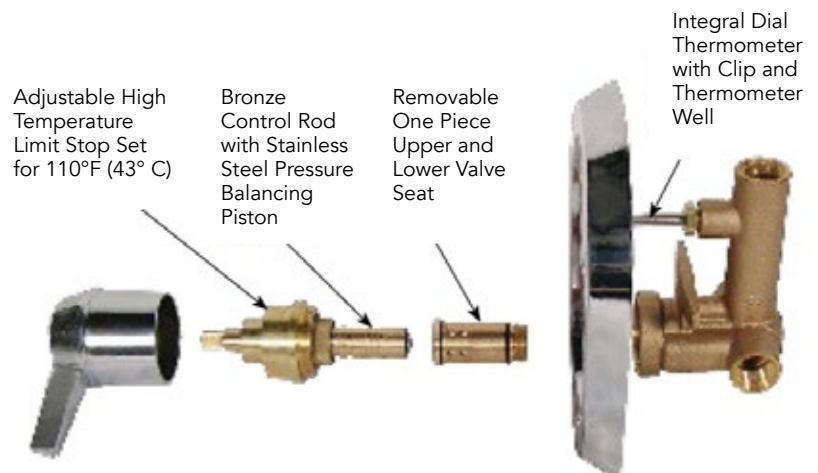
6700	1/2" inlets and outlet
6701	6700-F valve, H-02 brass shower head, 2.5 GPM, arm and flange
6702	6700-F valve, D-2L inline diverter fitting, H-03 large brass shower head, 2.5 GPM, arm and flange, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
6703	6700-F valve, D-2L inline diverter fitting, H-03 large brass shower head, 2.5 GPM, arm and flange, TS tub spout
6704	6700-F valve, D-2L inline diverter fitting, D-1 diverter spout with twin elbow, H-03 large brass shower head, 2.5 GPM, arm and flange, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
6705	6700-F valve, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer
6706	6700-F valve, D-2L inline diverter fitting, TS tub spout, 500P hand shower, 2.5 GPM, two wall hooks, inline double check valve backflow preventer

Standard features include:

- Tub and/or shower installation
- 1/2" inlets, 1/2" top outlet
- Adjustable high temperature limit stop set for 110°F (43°C) with an incoming hot water supply temperature of 135°F (57°C)
- Built-in shutoff, single handle operation
- Bronze, brass, and stainless steel construction
- Color-coded dial, OFF through HOT, directional indicators, helps eliminate confusion to where the handle should be located for a particular temperature
- Cast lever handle, cast heavy wall flange, chrome plated
- Factory assembled and tested as a complete unit
- Angle checkstops, copper tube connections



6700-F



7600 SHOWERMMASTER® SERIES - ASSE 1016 TYPE T LISTED

Leonard Thermostatic Water Mixing Valves

- For shower and bath applications in health care, educational, penal, industrial, recreational and other commercial/institutional applications
- Highly responsive copper encapsulated thermostat
- Built-in shutoff, single handle operation
- Standard hot and cold supply checkstops
- Bronze, brass, and stainless steel construction
- Adjustable high temperature limit stop set for 110°F (43°C)
- Maximum supply and operating pressure: 125 PSI (860 kPa)
- Factory assembled and tested as a complete unit
- If hot or cold supply should fail, the automatic shutdown feature reduces flow to prevent a continued spray of all hot or all cold water

7600 Showermaster® Series Selection Guide

7600

7600-E

76-1A 7600 valve, H-02 brass shower head, 2.5 GPM, arm and flange

76-2A 7600 valve, D diverter spout, H-02 brass shower head, 2.5 GPM, arm and flange

76-3A 7600 valve, D-2L inline diverter valve, H-02 brass shower head, 2.5 GPM, arm and flange, 501P(G) hand shower, 2.5 GPM, 24" glide rail, inline double check valve backflow preventer

76-4A 7600 valve, D diverter spout, D-2L inline diverter valve, H-02 brass shower head, 2.5 GPM, arm and flange, 501P(G) hand shower, 2.5 GPM, 24" glide rail, inline double check valve backflow preventer

76-5A 7600 valve, 501P(G) hand shower, 2.5 GPM, 24" glide rail, inline double check valve backflow preventer

76-6A 7600 valve, H-06 fixed spray institutional shower head, 2.5 GPM

Standard features include:

- Copper encapsulated thermostat assembly with brass shuttle, compensates for temperature fluctuations induced by water temperature and pressure changes
- Built-in shutoff for single handle operation
- Integral checkstops
- Cast wall flange and lever handle, polished chrome plated
- Color-coded dial
- 1/2" sweat inlets and outlet, threaded bottom outlet
- Integral checkstops on inlets
- Cast lever handle, cast wall flange, all chrome plated

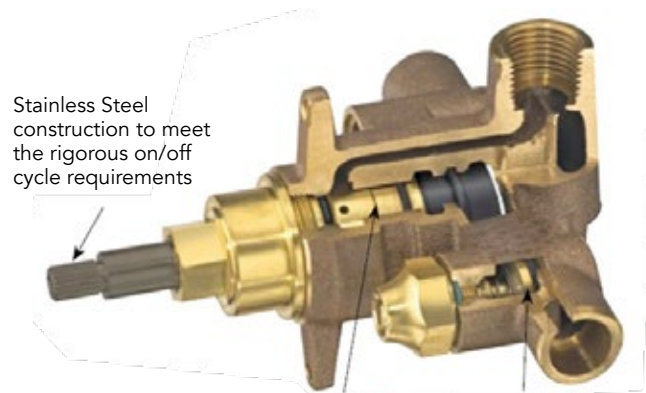


7600



7600-E

7600 Showermaster® Series Features



Stainless Steel construction to meet the rigorous on/off cycle requirements

Highly responsive copper encapsulated thermostat, to protect against temperature and pressure changes

In "OFF" position, hot and cold water entries are shut off, eliminating the possibility of cross connection

SHOWER ACCESSORIES

Shower Heads

All shower heads are polished chrome plated and include a shower arm and flange.

H-01 Shower head, brass, ball joint, volume control, 2.5 GPM (9.5 l/min)



H-02 Shower head, brass, ball joint, adjustable spray, 2.5 GPM (9.5 l/min)



H-03 Large shower head, brass, ball joint, adjustable spray, 2.5 GPM (9.5 l/min)



H-05 Shower head, ABS, ball joint, adjustable spray, 2.5 GPM (9.5 l/min)



C10-2S Shower head, brass, ball joint, 2.0 GPM (7.6 l/min)



H-14 Low Flow shower head, ABS, ball joint, 1.5 GPM (5.7 l/min)



Options

Suffix V Separate volume control, lever adjustment

Suffix CFL Cast flange with set screw

Diverter Spouts, Tub Spouts

All diverter and tub spouts are chrome plated.

D Diverter spout



TS Tub spout



D-1 Diverter spout, twin elbow



Options

Suffix BR Brass construction (D, D-1)

Remodel Plates

2000 Remodel plate, stainless steel, #4 finish for 4500 or PAM-II-ST shower valves



7929 Remodel plate, stainless steel, #4 finish for 7600 shower valve



Institutional Shower Heads

All institutional shower heads are polished chrome plated and mounted on an institutional shower head bracket.

H-06 Institutional shower head, brass, vandal-resistant screws, 2.5 GPM (9.5 l/min)



H-06-1.5 Institutional shower head, brass, vandal-resistant screws, 1.5 GPM (5.7 l/min)

H-06-ADJ Institutional shower head, brass, adjustable spray with lockable setting, vandal-resistant screws, 2.5 GPM (9.5 l/min)



H-06-C10-2S Institutional shower head, brass, ball joint, vandal-resistant screws, 2.0 GPM (7.6 l/min)

H-07 Institutional shower head, large size, brass, ball joint, adjustable spray, vandal-resistant screws, 2.5 GPM (9.5 l/min)



H-08 Institutional shower head, brass, ball joint, adjustable spray, vandal-resistant screws, 2.5 GPM (9.5 l/min)

H-09 Institutional shower head, ABS, ball joint, adjustable spray, vandal-resistant screws, 2.5 GPM (9.5 l/min)



H-10 Institutional shower head, brass, ball joint, volume control, vandal-resistant screws, 2.5 GPM (9.5 l/min)

H-15 Low Flow institutional shower head, brass ball joint, vandal-resistant screws, 1.5 GPM (5.7 l/min)



Diverter Valves

D-2L Inline diverter valve, brass lever handle, 1/2" copper tube connections



L-4923 Shower head diverter, chrome plated finish



Hand Showers

All hand showers include spray, 69" (1753 mm) chrome hose, double check valve, supply elbow and flange.

500P With two wall hooks, 2.5 GPM



501P With 24" (610mm) slide bar



505P With two wall hooks, 1.5 GPM

515P With 24" (610mm) slide bar, 1.5 GPM

501P(G) With 24" (610mm) glide rail



501P(G)-30 With 30" (762mm) glide rail



515P(G) With 24" (610mm) glide rail, 1.5 GPM

515P(G)-30 With 30" (762mm) glide rail, 1.5 GPM

62001 ADA-compliant hand shower with 24" grab bar



62003 ADA-compliant hand shower with 36" grab bar



62001-1.5 ADA-compliant hand shower with 24" grab bar, 1.5 GPM

62003-1.5 ADA-compliant hand shower with 36" grab bar, 1.5 GPM

Options

Suffix VP	Vandal-resistant screws
Suffix QD	Quick connector fitting

On/Off Valves, Metering Valve

770 Compression-type volume, on/off valve, four-arm handle, exposed parts chrome plated, 1/2" IPS connections



770-BL Compression-type volume, on/off valve, blade handle



LV477B-3 Metering valve, concealed, push button activation, fixed cycle, 30 seconds, inlet stop, exposed parts chrome plated, 1/2" IPS connections



Vacuum Breakers

LVB Elevated vacuum breaker, chrome plated, 1/2" with hose connection on outlet



EVB Elevated vacuum breaker unit, chrome plated, 1/2" IPS



INVB Inline vacuum breaker ASSE 1014 Compliant



Dial Thermometers

37C50FL Flush mounted, range: 25 - 125°F, 0 - 50°C, with wall flange, mounting bracket and screws





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