

For Non-Health Hazard Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

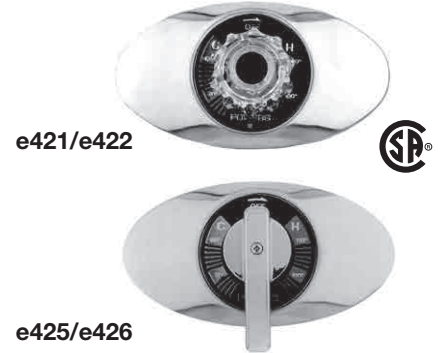
HydroGuard® Series e420 – Thermostatic Mixing Valves

Model e421 (3-port)/e422 (4-port)

Model e425 (3-port)/e426 (4-port)

Description

Concealed thermostatic water mixing valve for use on shower and tub/shower installations. Powerful advanced thermal actuator compensates for both temperature and pressure fluctuations. A built-in adjustable temperature limit stop reduces chances of accidental scalding due to over adjustment of handle. Heavy cast-brass body, durable stainless-steel faceplate, lucite knob-type handle, and corrosion-resistant material ensure years of trouble-free service. See reverse for complete specification codes for valve and additional accessories.



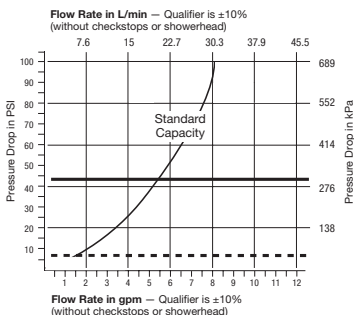
Specifications

Connections:	
Type e421 and 425	1/2" NPT Inlets and 1/2" NPT Top Outlet
Type e422 and e426	1/2" NPT Inlets, 1/2" NPT Top Outlet, 3/4" NPT Bottom Outlet
Capacity (without checkstops)	5.25 gpm [19.9 L/min]* (±0.25 gpm [0.95 L/min])
Maximum Hot Water Supply Temperature	190°F (88°C)
Minimum Hot Water Supply Temperature	5°F [14°C] Above Set Point
Maximum Operating Pressure	125psig [862 kPa]
Temperature Ranges:	
ASSE 1016 Type T	65 – 115°F [18 – 46°C]
ASSE 1016 Type T/P	90 – 110°F [32 – 43°C]
Temperature Limit Stop	Adjustable* factory set at 110°F [43°C]
Maximum Static Pressure	125 psig [862 kPa]
Minimum Flow and Pressure Differential	1 gpm [3.79 L/min]
Wall Seal Gasket	Furnished with Dial
Dial Plate	Color-Coded Temperature Scale
Certified	CSA B125
Compliance	ASSE 1016-T/P
Shipping Weight	5 lbs. [2.3 kg]

All HydroGuard® Series e420 thermostatic mixing valves meet above performance specifications based on typical operating conditions as stated in ASSE 1016-T/P (45 psi pressure differential, hot water supply between 140°–180°F [60–82°C], cold water supply less than 70°F [21°C]). If your operating conditions vary from those stated in the standard, performance may vary as well. Consult your local sales representative or a Powers factory engineer to discuss your specific application. All Powers thermostatic mixing valves perform to the requirements of standards ASSE 1016-T/P and CSA B125.

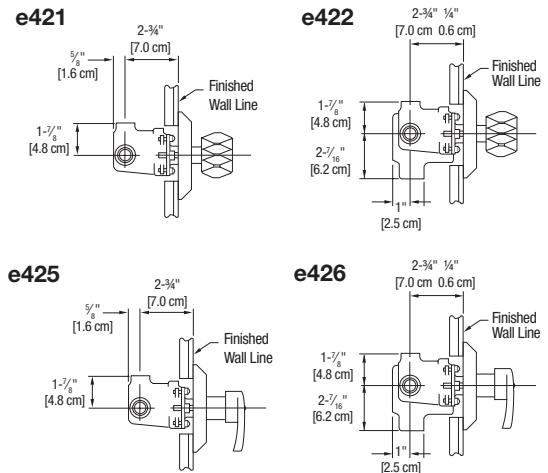
* At 45 psi differential [310 kPa], with hot water supply between 140°–180°F [60–82°C].

Flow Rate Curves & Checkstops

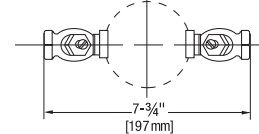


Powers product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Powers Technical Service. Powers reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Powers products previously or subsequently sold.

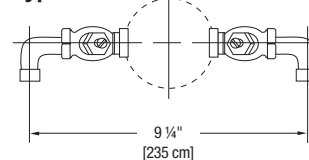
Dimensions



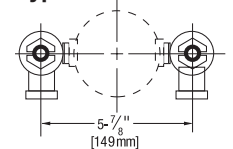
Type A, C



Type D



Type E



POWERS™
 A WATTS Brand

How To Specify: Type e421, e422, e425, & e426 Valves for Shower and Tub/Shower Systems

	□ □ □ □ - □ - □ - □ - □ - □ - □ - □
Valves	Order Code
See front page for selection of valve order code	
Checkstops (Sold in Pairs)	
Concealed Straight, ½" IPS A	
Straight, ½" Sweat C	
Angled, ½" Sweat D	
Angled, with Strainer, ½" IPS E	
Exposed Straight, ½" IPS, Chrome-Plated B	
Angled, with Strainer, ½" IPS, Chrome-Plated F	
Factory installation of checkstops (Add suffix "X" to checkstop code) Min. order 10 X	
Showerheads	
Economizer, Chrome-Plated ABS, Adjustable J	
Standard, Chrome-Plated Brass K	
Deluxe, Chrome-Plated Brass M	
Low Flow (1.6 gpm), Chrome-Plated G	
Low Flow (1.5 gpm), Chrome-Plated H	
Arm and Flange Kits	
Standard Arm and Flange 1	
Deluxe Arm and Flange 2	
Standard Arm/Flange & High Temp. Shutoff 4	
Deluxe Arm/Flange & High Temp. Shutoff 5	
Tub Spouts	
Diverter, Chrome-Plated Brass, ¾" IPS Q	
Non-Diverter, Chrome-Plated, ½" IPS R	
Diverter, Chrome-Plated, ½" IPS S	
Diverter, Chrome-Plated Brass, ½" IPS T	
Diverter, Chrome-Plated, ½" Slip Fit U	
Hand Shower Systems	
24" Chrome ADA Wall Grab Bar System 1	
36" Chrome ADA Wall Grab Bar System 2	
Deluxe, Metal Hose, 30" Slide Bar 3	
Professional, Vinyl Hose, 30" Slide Bar 4	
Standard, Metal Hose, Two Wall Hooks 5	
Deluxe, Metal Hose, 24" Slide Bar 6	
Professional, Vinyl Hose, 24" Slide Bar 7	
Standard Plus, Metal Hose, 24" Slide Bar 8	
European, Metal Hose, 23" Slide Bar 9	
Low Flow (1.5 gpm), Metal Hose, 30" Glide Rail L	
Professional, Metal Hose, 30" Glide Rail N	
Diverter	
Concealed Diverting Valve, Metal Handle, ½" Sweat Y	
Diverter, Concealed, Deluxe ABS Handle, ½" Sweat A	
Diverter, Concealed, Deluxe Metal Handle, ½" Sweat B	
Exposed Diverter, Shower Arm-Type, Chrome-Plated Z	
Vacuum Breakers	
Vacuum Breaker, Elevated, Chrome-Plated V	
Vacuum Breaker, In-Line W	

Note: It is strongly recommended that checkstops be installed with this valve when downstream shutoff is used.