

WATTS/Taras

Water Treatment Valves and Accessories



Residential



Commercial





Taras Valve Company, a division of Watts Industries, has been manufacturing quality by-pass valves and accessories for the Water Conditioning and Treatment Industry for over a quarter of a century. This catalog provides Water Quality professionals with an easy to use tool for selecting the correct by-pass system for their specific applications. We offer the industry's most comprehensive line of by-pass valves, in addition to associated residential and commercial plumbing products from Watts Regulator.

We are proud to note that all of our bronze and plastic by-pass valves are manufactured in the U.S.A. However, we have also included a select number of cost competitive imported valves and accessories that meet our engineering specifications. Further, if your application requires special by-pass products, we have a design engineering staff who can create custom devices or modify existing products to meet your needs.

For more information on the entire family of Watts products, please call or write for our Line Card, or contact your local authorized Watts/Taras agent.

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Ⓡ denotes an imported product

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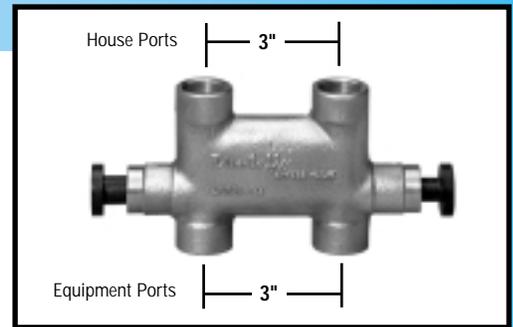
All Taras Divertaflo Series Valves are manufactured from cast bronze. Each valve is 100% factory tested and approved. The Divertaflo Series Valves are designed to provide simplicity and dependability in by-pass control in an easy to install, economical package.

- Maximum design flow
- Install in any position
- Low profile, symmetrical design
- Teflon® coating and nickel plating available – please consult factory
- Multiple port configurations and sizes
- Premium grade Noryl® push rod
- Optional brass push-rod available - please consult factory

Standard Series 3400 (3/4")

- 3/4" connections

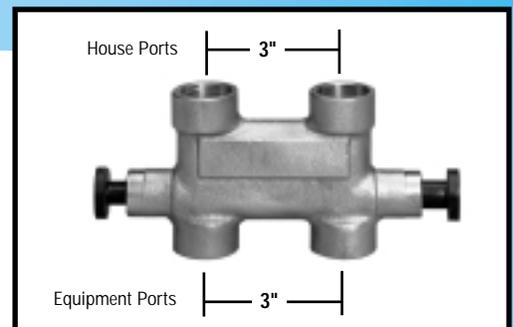
Valve No.	Ordering Code	Description House x Equipment
34001	0790001	Solder x Solder
34002	0790002	Solder x Thread
34002R	0790003	Thread x Solder
34003	0790004	Thread x Thread



Nameplate Series 3400 (3/4"), 4400 (1")

- 3/4" and 1" connections
- Machined nameplate area for private label
- Custom imprinting available – consult factory

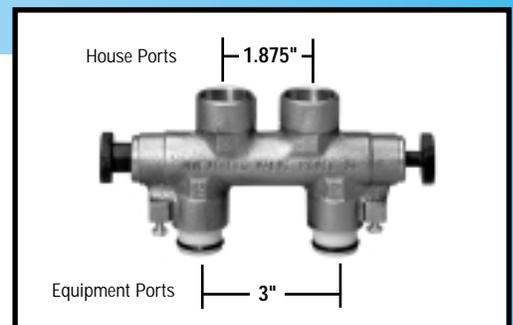
Valve No.	Ordering code	Description House x Equipment
34011	0790005	Solder x Solder
34012	0790006	Solder x Thread
34013	0790007	Thread x Thread
44011	0790008	Solder x Solder
44012	0790009	Solder x Thread
44013	0790010	Thread x Thread



Series 343318 Culligan® Style A

- House ports on 1.875" centers
- Installation kit included with valve

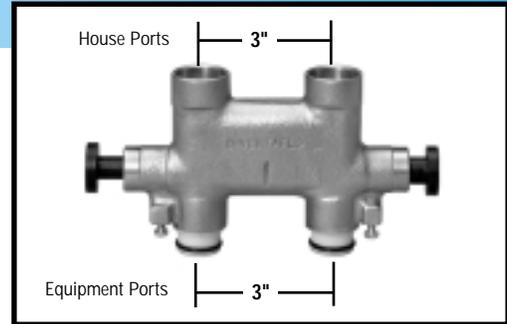
Valve No.	Ordering Code	Description House x Equipment
343318 -1	0790022	3/4" Solder x Culligan Automatic
343318 -3	0790023	3/4" Thread x Culligan Automatic
343318 -5	0790024	1" Solder x Culligan Automatic



Series 343314 Culligan Style B

- House ports 3" on center
- Installation kit included with valve

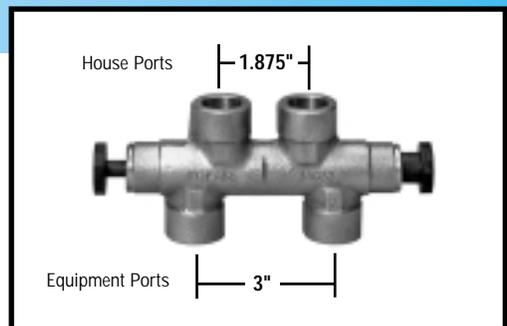
Valve No.	Ordering Code	Description House x Equipment
343314 -1	0790019	3/4" Solder x Culligan Automatic
343314 -3	0790020	3/4" Thread x Culligan Automatic
343314 -5	0790021	1" Solder x Culligan Automatic



Series 34033 Culligan Exchange Tank Style

- House ports 1.875" on center
- Equipment ports 3" on center

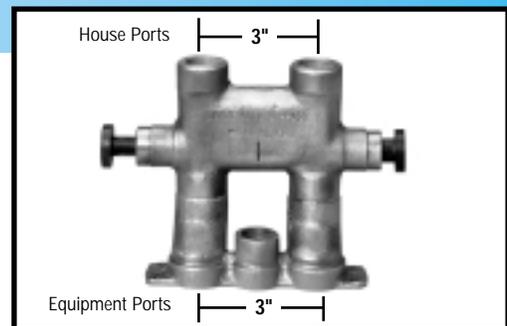
Valve No.	Ordering Code	Description House x Equipment
34033-2	0790012	3/4" Solder x 3/4" Solder
34033-4	0790013	3/4" Solder x 3/4" Thread
34033-6	0790014	3/4" Thread x 3/4" Thread
34033-7	0790015	1" Solder x 1" Solder
34033-8	0790016	3/4" Thread x 3/4" Solder
34033-9	0790017	1" Solder x 1" Thread
34033-10	0790018	1" Solder x 3/4" Solder



Series M9400 Autotrol Style

- Autotrol interface manifold on control valve side
- 1/2" FIP threaded drain port
- Installation kit included with valve

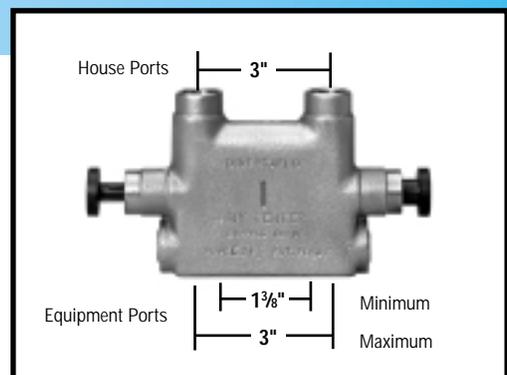
Valve No.	Ordering Code	Description House x Equipment
M9400	0790025	3/4" Solder x Autotrol connection
M94001	0790026	1" Solder x Autotrol connection
M94002	0790027	3/4" Thread x Autotrol connection



Custom Center Series

- Custom machined to fit your application (*within specification shown*)
- Minimum run quantities apply
- Contact factory with requirements
- Special fittings also available

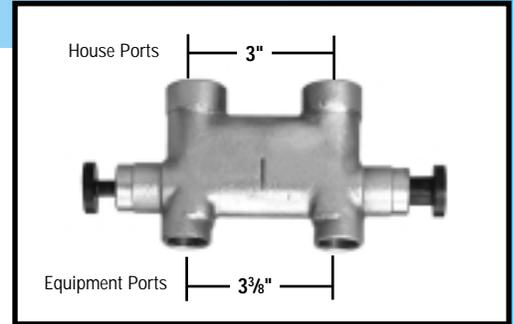
Valve No.	Ordering Code	Description House x Equipment
34711R-1.5	0790072	3/4" Solder x 3/4" Solder (1.5" center)
34711R-1.688	0790034	3/4" Solder x 3/4" Solder (1.688" Kinetic)
34711R-2.000	0790057	1" Solder x 3/4" Solder (2.00" center)
34711R-Custom		3/4" Solder x 3/4" Solder (any center)



Series 331766 Fleck 2500® Style

- Mates with fleck 2500 series control valve
- Minimal plumbing required

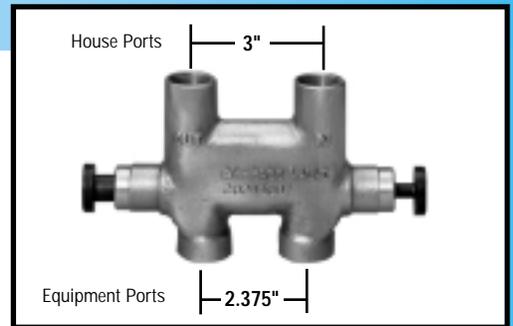
Valve No.	Ordering Code	Description House x Equipment
331766 -1	0790028	3/4" Solder x 3/4" Solder
331766 -3	0790029	3/4" Thread x 3/4" Solder
331766 -5	0790030	1" Solder x 3/4" Solder



Series M9500 Lindsay® Style

- House ports on 3" center
- Equipment ports on 2.375" center

Valve No.	Ordering Code	Description House x Equipment
M9500	0790031	3/4" Solder x 3/4" Solder
M9502	0790032	3/4" M. Thread x 3/4" Solder
M9501	0790058	3/4" F. Thread x 3/4" Solder



Tank Top Closure Manual System

- Black ABS plastic, ports reinforced
- Use with Controlsaflo valve
- 2 1/2" - 8 thread x 3/4" female ports
- 3" center ports
- Fill cap
- Inlet screen
- 1/2" riser tube O-ring included
- Dip tube not included

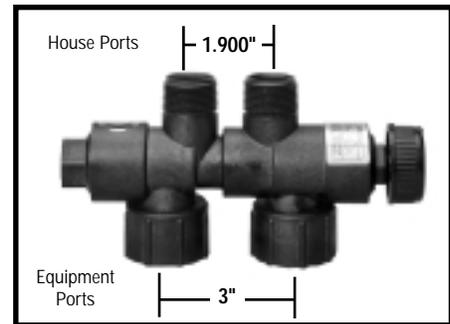
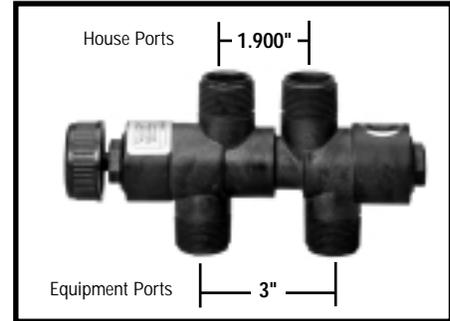
Valve No.	Ordering Code
77145-IS	1500020



The Controlsaflo Series by-pass valve combines high-flow performance, multiple operational modes, and easy installation in a compact, WQA validated plastic design.

Features of this valve include:

- Durable Noryl body and internals
- House ports on 1.9" center
- Excellent flow in backwash and by-pass modes
- One handle operation
- Installs easily to Kinetico®, Erie®, and Bruner® control valves
- Excellent for exchange tank applications
- Male Thread, or Union Nut Connections
- Also available with British standard parallel pipe threads

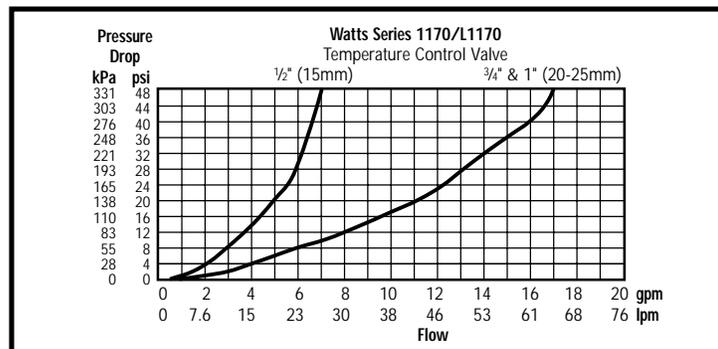


Valve No.	Ordering Code	Description House x Equipment
7700111 (Std. Service/by-pass)	0790040	1" Male Thread x 1" Male Thread
7700121 (w/Hard H ₂ O bleed, Service/by-pass)	0790041	1" Male Thread x 1" Male Thread
7700131 (Service/backwash)	0790043	1" Male Thread x 1" Male Thread
7700141 (Delux Service/by-pass/backwash)	0790045	1" Male Thread x 1" Male Thread
7700112 (Std.-Service/by-pass)	0790044	1" Male Thread x 1" Union Nut
7700122 (w/Hard H ₂ O bleed, Service/by-pass)	0790042	1" Male Thread x 1" Union Nut
7700132 (Service/backwash)	0790064	1" Male Thread x 1" Union Nut
7700142 (Delux Service/by-pass/backwash)	0790046	1" Male Thread x 1" Union Nut

Series 1170/L1170 Hot Water Temperature Control Valves

The new Watts 1170/L1170 hot water temperature control valves maintain and limit mixed hot water to a desired, selectable temperature chosen by the installer. The Watts Series 1170/L1170 is perfect for maintaining optimum water temperatures in Reverse Osmosis systems. The superior flow characteristics of this valve results in accurate temperature control of $\pm 3^{\circ}\text{F}$ combined with low pressure drop. As an added benefit the 1170 series incorporates check valves in both the hot and cold water inlets to protect against cross flow.

- Available in 1/2", 3/4", and 1" female union NPT connections
- Temperature range from 80°F (27°C) to 120°F (49°C) accurate to $\pm 3^{\circ}\text{F}$ ($\pm 1.7^{\circ}\text{C}$)
- Maximum pressure, 150psi (10 bars)
- Easy to install and maintain
- Safety locking cap, prevents inadvertent or unauthorized temperature adjustments
- ASSE Standard 1017 listed



For specifications and installation information, please call or write for publications ES-1170/L1170 and IS-1170/L1170

For parts and accessories, please see page 12.

Water Pressure Regulators

Series P50 Miniature Pressure Regulator

- 1/4" NPT female connections
- High capacity
- Suitable for use on deionized equipment
- Bottom plug for clean-out service



Series P60 Miniature Pressure Regulator

- Same features as our P50 series but offered with a balanced piston design for more accurate pressure performance.

*For specifications and options,
please call or write for publication S-SS-263AP.*

Series 560 Pressure Regulator

- Brass bodied, heavy duty miniature regulator
- IAPMO listed
- Delivery capacity up to 250 gph
- Model 560 has female threaded 1/8" and 1/4" inlet and outlet connections. Female 1/8" (3mm) side tapping (plugged) for gauge
- H560 has 3/4" (20mm) female inlet and male outlet hose connections

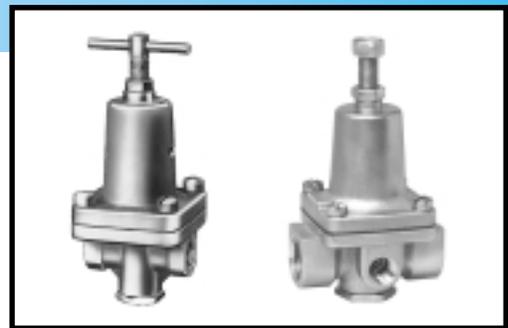
*For specifications and options, please call or write
for publications ES-560-26A and IS-IR 56/H560G.*



Series 26A and 263A

- Sizes 1/8", 1/4", 3/8" 1/2" (3-15mm) NPT threaded female inlet and outlet connections
- Brass general purpose regulator
- Also available in stainless steel suitable for deionized water (SS263AP)
- High flow up to 7 gpm

*For specifications and options, please call or write
for publications ES-560-26A and S-SS263AP.*



Series 276H300 Water Pressure Test Gauge

- Hose connection gauge for testing water supply pressure in a building
- 3/4" H.T. Hot Connection which easily attached to an outside hose bibb or to the drain connection on a water heater
- A red indicator hand that "HOLDS" at the highest reading registered, to record shock pressure or when left on overnight will register the highest surge pressure which occurred during that period
- A large 2 1/2" face for easy reading

*For specifications and options,
please call or write for publication ES-276H*



Series B-6000 Bronze Ball Valves

- Sizes 1/4"-4"
- The B6000 series ball valve from Watts Regulator is the standard of the industry
- Over 19 styles to choose from in both sweat, thread, or special connections
- Made in the USA

*For specifications and options,
please call or write for publication F-CBBV.*



Series FBV-3/WBV-3 Brass Ball Valves

- Sizes 1/8"-4"
- Well made, brass bodied ball valves
- Many styles and options to choose from
- FBV-3 denotes 2-piece full port, WBV-3 denotes 2-piece standard port

*For specification and options,
please call or write for publication C-INT.*



Series WBVC Brass Ball Valves ①

- Sizes 1/8"-2"
- Standard port brass ball valves for a full range of gas and liquid applications
- Male NPT compression connection

*For specification and options,
please call or write for publication C-INT.*



Series PBV PVC Plastic Ball Valves ①

- Sizes 1/2"-2"
- Compact plastic ball valve with "T" handle
- Socket, threaded, and true union connections
- Available in schedule 40 and 80

*For specifications and options,
please call or write for publication C-INT.*



Series WGV-1/WGCV Brass Gate Valves ①

- Sizes ½" - 4"
- For general shut-off applications
- Non-rising stem
- Available with NPT, solder, or compression end connections

*For specifications and options,
please call or write for publication C-INT.*



Series SW Brass Stop & Waste Valves ①

- Sizes ⅜" - ¾"
- Multi-purpose general shut-off valve with integral drain port
- Available with NPT, solder, or compression connections

*For specifications and options,
please call or write for publication C-INT.*



Plumbing Specialties

Series 6 Brass Check Valve

- Sizes ¼" - 1"
- Pressure up to 200psi (13.8 bars)
- Maximum temperature 180°F (82°C)
- Horizontal or vertical installation
- Female NPT connections

*For specifications and options,
please call or write for publication ES-6.*



Series 600 Bronze Silent Check Valve

- Sizes ¼" - 2"
- Teflon® seat and brass disc
- Install horizontal or vertical
- Heavy duty in-line check valve
- Female NPT or solder

*For specifications and options,
please call or write for publication ES-600 Z3.*



Series WCV/WCVY Brass Swing Check Valves ①

- Sizes 1/2"-4"
- Pressure rating 125psi (6.8 bars) WSP and 200psi (13.8 bars) WOG
- Model WCV sizes 1/2"-4"
- Mode WCVY sizes 1/2"-2"
- For one-way flow of water and steam applications
- Female NPT connections

*For specifications and options,
please call or write for publication C-INT.*



Series 777 Bronze Wye-pattern Strainers

- Available threaded or solder connections with or without blow down tapping

*For specifications and options for any strainer,
please call or write for publication F-C77.*



Series BD Brass Boiler Drains ①

- Sizes 1/2" and 3/4"
- Working Pressure 200psi (14 bars) WOG non-shock
- Maximum Temperature 180°F (82°C)

*For specifications and options,
please call or write for publication C-INT.*



Series BD-QT Quarter-Turn Boiler Drains ①

- Sizes 1/2" and 3/4"
- Rugged aluminum Tee-handle design, adjustable Teflon® stem packing
- Quarter-turn ball valve design, positive shutoff
- Rating 200psi WOG
- Maximum Temperature 250°F (121°C)

*For specifications and options,
please call or write for publication S-BD-QT.*



Series 17 Bronze in-line Strainer

- Sizes 3/4" - 1" 40 mesh screen standard
- For optional screen consult factory
- For quick removal of equipment for cleaning, or where feed line separation is required

For specifications and options for any strainer, please call or write for publication F-C77.



Series P777 Plastic Wye-pattern Strainer

- Sizes 1/4" and 3/8" female thread
- 100 mesh screen NSF approved acetal plastic

For specifications and options for any strainer, please call or write for publication F-C77.



Series C Flexible Connectors

- The Watts brand of flexible connectors come in a wide range of diameters, sizes, lengths, and materials of construction
- Eight styles to choose from

For specifications and options, please call or write for publication F-Flxcon.



Kinetico By-pass Installation Kit EAK-7700

- Twelve piece kit
- Use with Controlsaflo 7700112
- Installs quickly and easily
- Valve sits upright, easy to get to in installation

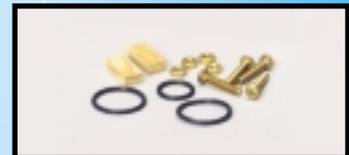


Kit No.	Ordering Code
EAK 7700	0790107

• FITTINGS • ADAPTORS • PARTS Plastic Controlsaflo Accessories

Part/Kit No.	Ordering Code	Quantity	Description	Use
77112-K	0206200	2	Union Nut	Install on our Controlsaflo valve or Divertaflo with shoulder adaptors.
77115-K	0206201	10	Flat gaskets (Erie)	Use with Erie control valves on union nuts.
77135-K	0206202	2	1" FIP x 3/4" FIP reducer coupling	Adapt valve ports when required to 3/4" house piping.
77136-K	0206203	2	1" MIP x union nut adaptor	Adapt union nuts to 1" FIP threads.
77138-K	0206204	2	1" MIP to 3/4" copper pipe union nut adaptor	Adapts 1" MIP valve port to copper pipe, CPVC, or polybutylene pipe.
77139-K	0206205	2	3/4" MIP x union nut adaptor	Adapt union nuts to 3/4" FIP threads.
77140-K	0206206	10	O-ring seal for adaptors	Fits both 1" and 3/4" MIP adaptors.
77151-K	0206207	2	3/4" MIP x shoulder adaptor	Adapts union nut 77112 to pipe threads.
77152-K	0206208	2	1" MIP x shoulder adaptor	Adapts union nut 77112 to pipe threads.
77153-K	0206209	2	3/4" slip x union nut adaptor	For gluing to 3/4" PVC

Kit No.	Ordering Code	Description	Reference page
343305	0790106	Installation kit for series 343318 and 343314 divertaflo valves, kit includes (2) plastic Hub Tubes, (4) O-rings and (2) mounting screws	Page 3&4, culligan style A and B
65034	0790062	installation kit for series M9400 Divertaflo valves Kit includes (4) phillips pan head brass screws, (4) brass hex nuts, (2) large O-rings, (1) service port O-ring, and (2) wooden spacers.	Page 4, Autotrol style



BRASS VALVE REPLACEMENT PARTS

3464	0790060	Complete Culligan push rod	In Culligan series valves
4444	0790061	Complete Divertaflo push rod	In all Divertaflo valves
4434	0790105	Culligan Series	Brass rod construction for high temperature Applications
4484	0790104	Divertaflo Series	

