



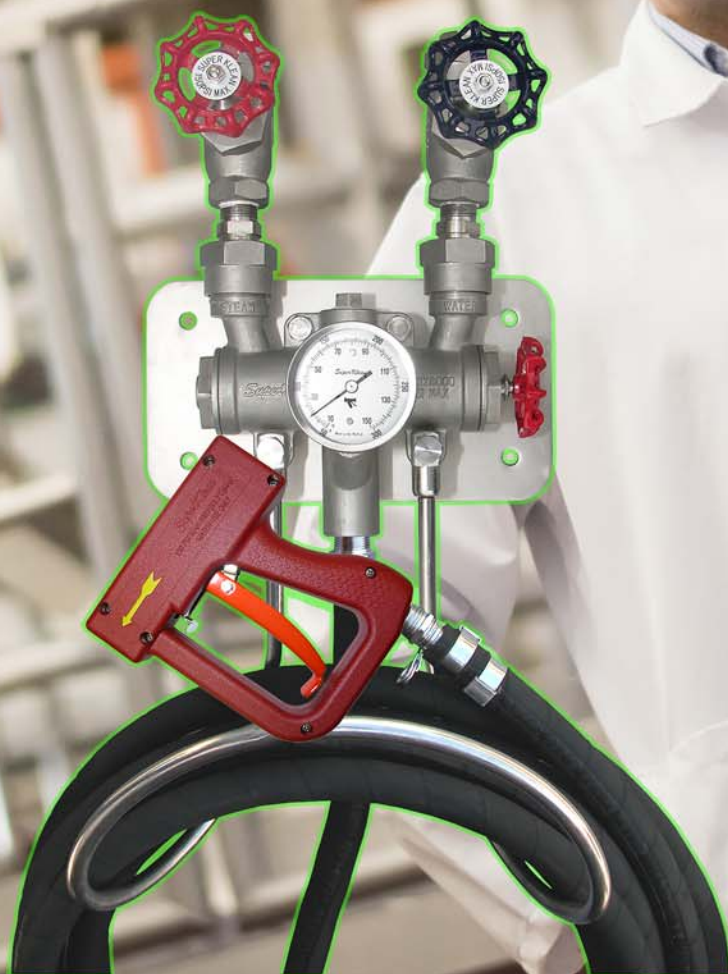
SK16

ISO 9001:2000 Certified

Super Klean™

Washdown Products

Always Striving for Perfection!



**We are
Lead Free**

Spray Nozzles

Hot & Cold Water
Mixing Stations

Steam & Cold Water
Mixing Stations

Hoses & Accessories

New Products

Stainless Steel Steam Trap, Stainless Steel Strainer, DuraSpray Nozzle

WWW.SUPERKLEAN.COM

TOLL FREE: (800) 769-9173

TEL: (650) 375-7001

FAX: (650) 375-7010

SuperKlean™

Washdown Products

MEETING TODAY'S CHALLENGES

Providing energy, water, and cost saving solutions

SuperKlean washdown products would like to thank you for making our company one of your trusted suppliers, and for helping 2015 be our most successful year ever. SuperKlean first began designing, manufacturing and shipping industrial washdown equipment out of our California headquarters in 1989, some 27 years ago. Since then our expansive list of customers, North American distributors, and partners across the globe has grown into the thousands. To each of you who helped us grow and flourish over the years, we give a heartfelt thank you!

2016 is shaping up to be an even more exciting year. Our corporate byline "Always Striving for Perfection," has been a singular focus since those humble beginnings back in 1989. Our superb product quality, extensive product line, and continuous corporate improvement, reflects our unwavering corporate commitment to you, our esteemed customers. Your commitment helped us grow our extensive user base to include the most respected multinational corporations in the world. Companies such as Nestle Foods, Hershey, Coca-Cola, Pepsi, Heinz, General Mills, Mobil, Chevron, Pfizer, P&G, Tetra Pak, Frito-Lay, Foster Farms, Campbell Soups, Dr. Pepper Snapple Group, and ConAgra Foods. Again, a huge thank you!

As part of our 2016 expansion plans, we will be launching an extensive SuperKlean customer outreach and distributor training program. We are using the world's best online tools to reach all industries that have come to trust our superior washdown products. This will include easy access video training and installation. SuperKlean believes our loyal customers, distributors, and manufacturer representatives are the reason we are a leader in washdown products. It is our sincere desire to continue our dedicated service to you.

Now on to great SuperKlean news you will be hearing more about in 2016! SuperKlean has become an industry leader in environmental and ergonomic excellence! Our products are all "Lead-Free," our Duramix steam and cold water mixing stations are the most energy and water efficient in the industry, and our innovative "second outlet" feature is becoming incredibly popular. Our ergonomic ball type swivel adapter and lightweight anodized aluminum spray nozzles can reduce wrist fatigue and injury. In total . . . SuperKlean products promote less water usage, reduce energy consumption, and provide a more user friendly approach to your sanitation needs! Finally, with the industry's best pricing and same day shipments (we are now shooting for 95% of the time), SuperKlean is your best long-term partner for all your washdown needs.

To receive instant customer or technical support, please call SuperKlean today at 800-769-9173 or 650- 375-7001. Or, to place an order, please call our distributor who provided you with this catalog. Our focused goal is to make 2016 an incredibly successful, profitable and fulfilling year for all our partners!

Sincerely,

SuperKlean Staff

**Call (800) 769-9173 or (650) 375-7001 for a distributor near you or visit our web site at:
WWW.SUPERKLEAN.COM**

SuperKlean™

WASHDOWN PRODUCTS

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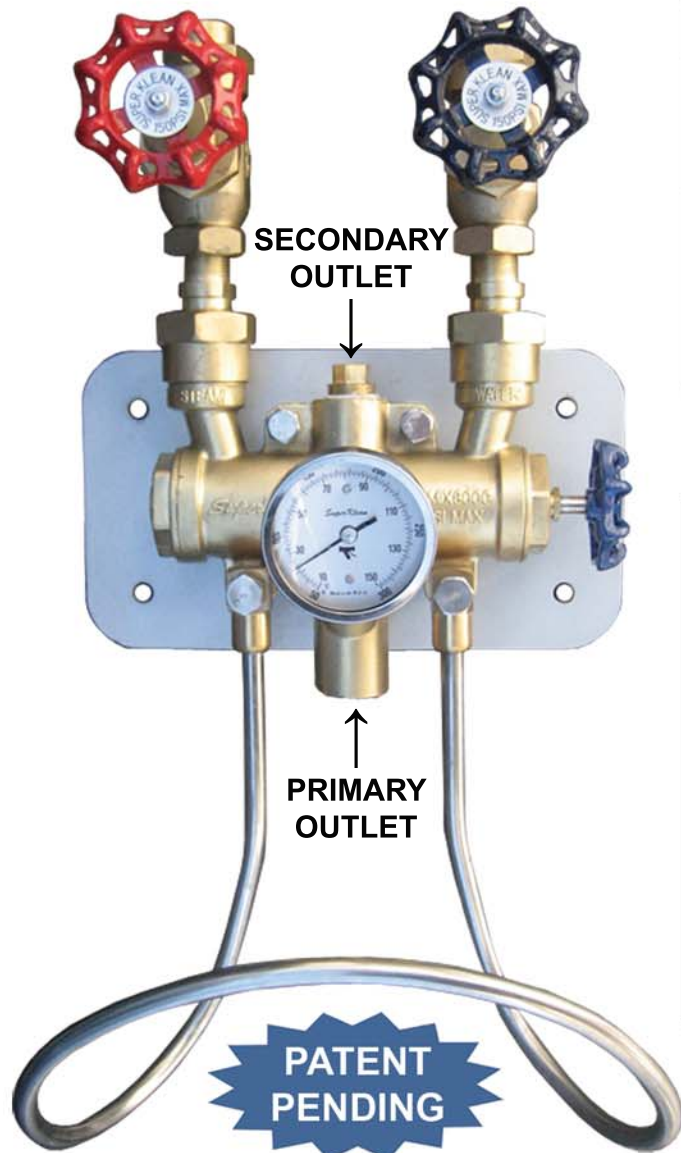


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BRONZE STEAM & COLD WATER MIXING UNIT - DURAMIX 8000GM-B SERIES

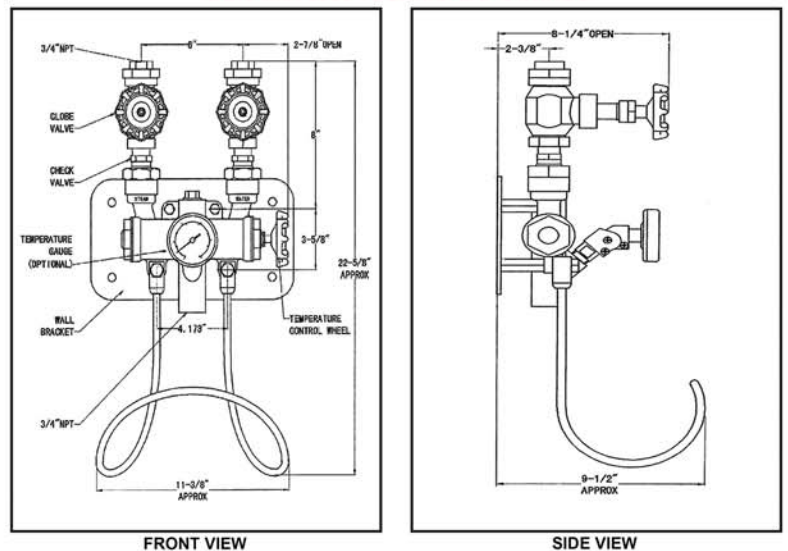
Features:

- Operates with as little as 30 PSI water pressures without the hassle of changing internal components.
- Dual output design enables the unit to not only supply your washdown needs but also hard pipe the top port to supply hot water for other processes.
- Automatic shutoff feature built into the design to prevent live steam from passing through the unit.



Part #:	Description
8000GM-B	Bronze, steam and cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, and mounting bracket.
8000GM-B-T	Bronze, steam and cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, mounting bracket, and adjustable angle temperature gauge.

DURAMIX 8000 TECHNICAL DRAWINGS



Principal Parts & Materials

Inlet / Outlet Diameter: 3/4" NPT

Mixer Body: Bronze

Check Valves: Bronze / Stainless Steel

Hose Rack: 300 Series Stainless Steel

Temperature Gauge: (optional) Stainless Steel

Recommended Operative Conditions

Working Steam Pressure (Saturated Only): 30-150 PSI

Working Water Pressure: 30-150 PSI

Maximum Temperature: 200°F (93°C)

Maximum Pressure: 150 PSI

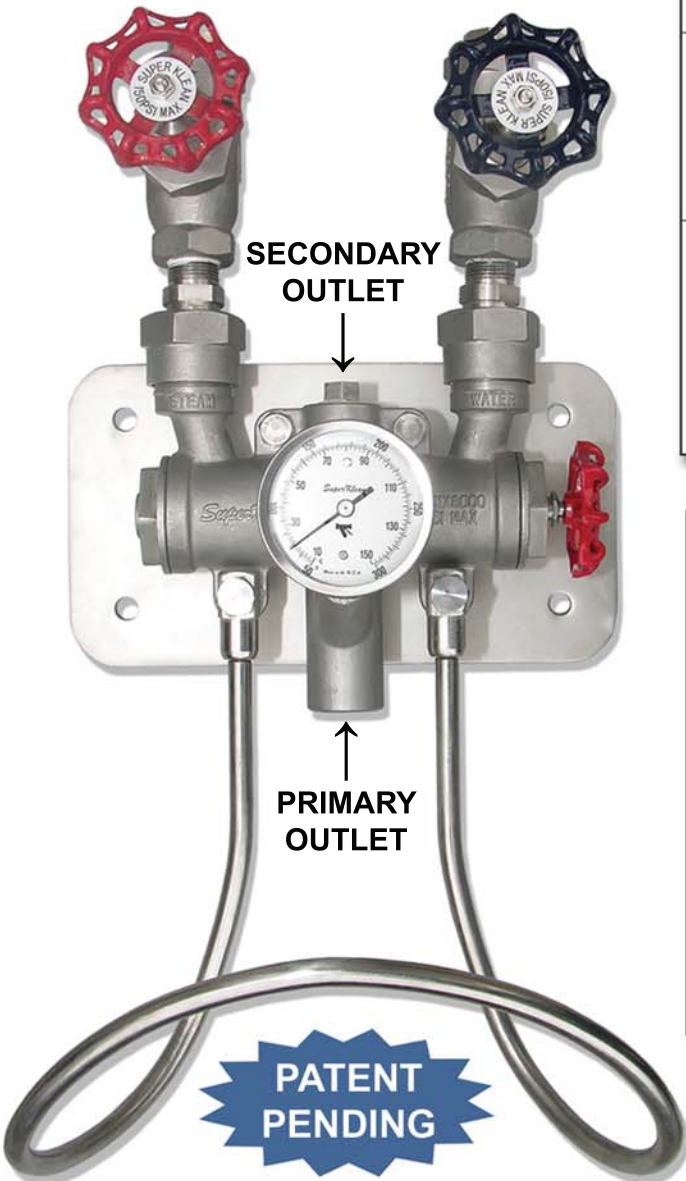
Weight: 20 Lbs.

If steam to water ratio is more than 2:1, please refer to "Operative Instructions" section 4.

STAINLESS STEEL STEAM & COLD WATER MIXING UNIT - DURAMIX 8000GM-S SERIES

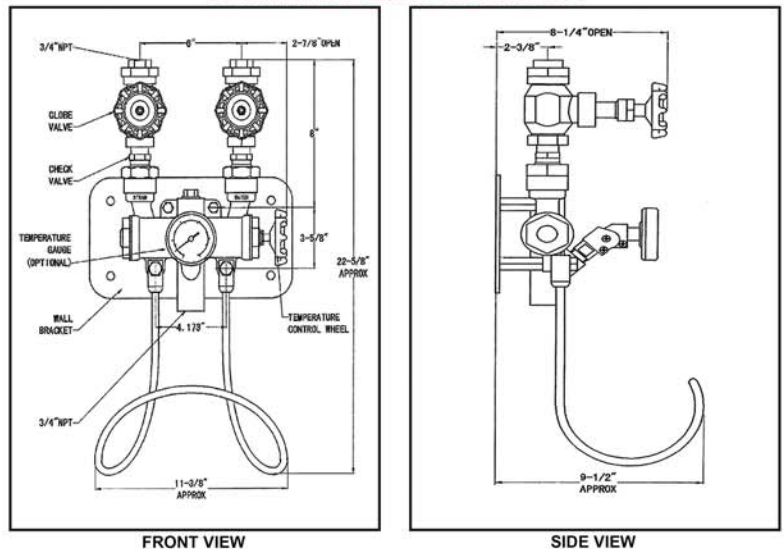
Features:

- Operates with as little as 30 PSI water pressures without the hassle of changing internal components.
- Dual output design enables the unit to not only supply your washdown needs but also hard pipe the top port to supply hot water for other processes.
- Automatic shutoff feature built into the design to prevent live steam from passing through the unit.



Part #:	Description
8000GM-S	300 series stainless steel, steam and cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, and mounting bracket.
8000GM-S-T	300 series stainless steel, steam and cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, mounting bracket, and adjustable angle temperature gauge.

DURAMIX 8000 TECHNICAL DRAWINGS



Principal Parts & Materials

Inlet / Outlet Diameter: 3/4" NPT

Mixer Body: 300 Series Stainless Steel

Check Valves: 300 Series Stainless Steel

Hose Rack: 300 Series Stainless Steel

Temperature Gauge: (optional) Stainless Steel

Recommended Operative Conditions

Working Steam Pressure (Saturated Only): 30-150 PSI

Working Water Pressure: 30-150 PSI

Maximum Temperature: 200°F (93°C)

Maximum Pressure: 150 PSI

Weight: 20 Lbs.

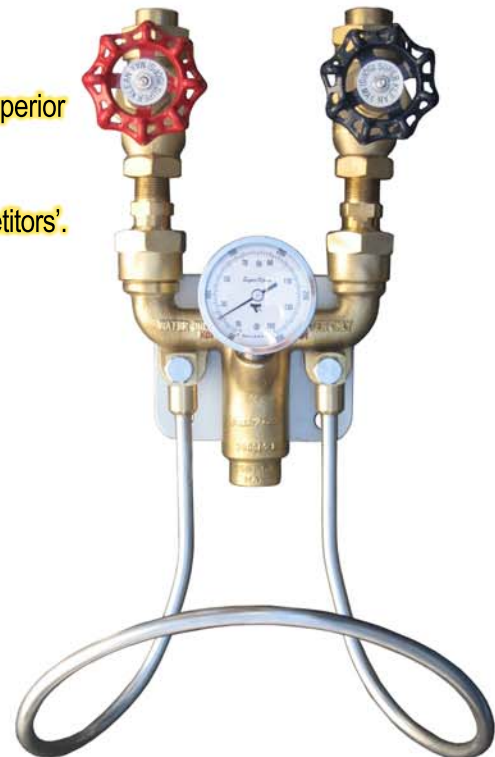
If steam to water ratio is more than 2:1, please refer to "Operative Instructions" section 4.

BRASS HOT & COLD WATER MIXING UNIT - 3600M-B SERIES

Features:

- Incorporated Y-style body with check valves and ball joint unions for superior flexibility during installation.
- Inlet center lines which have the same dimensions as most of our competitors'.
- Mounting plate, hose rack, and optional temperature gauge.

Part #:	Description
3600M-B	Brass, hot & cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, and mounting bracket.
3600M-B-T	Brass, hot & cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, mounting bracket, and adjustable angle temperature gauge.



UNIT NOT FOR USE WITH STEAM

Principal Parts, Material & Ratings

Inlet / Outlet Diameter: 3/4" NPT

Mixer Body: Brass

Globe Style Valves: Brass / Stainless Steel

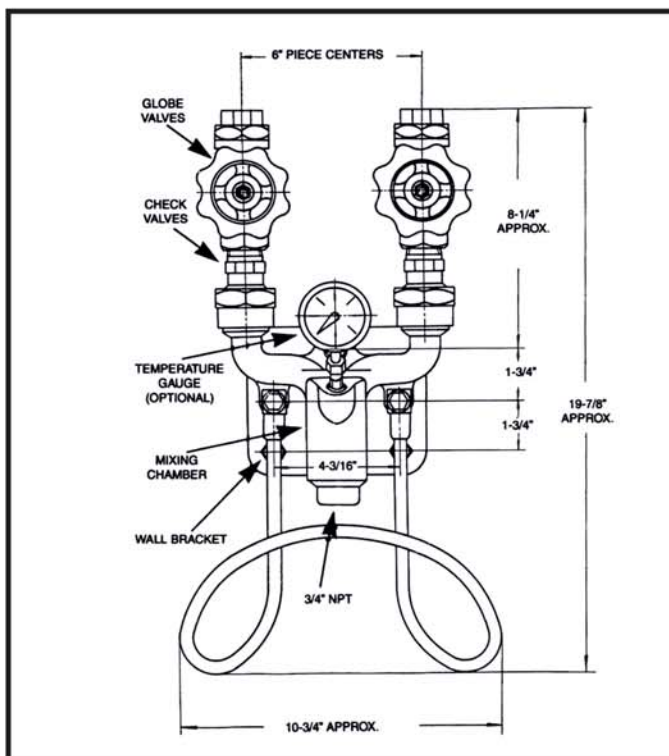
Check Valves: Brass

Temperature Gauge: (optional) Stainless Steel

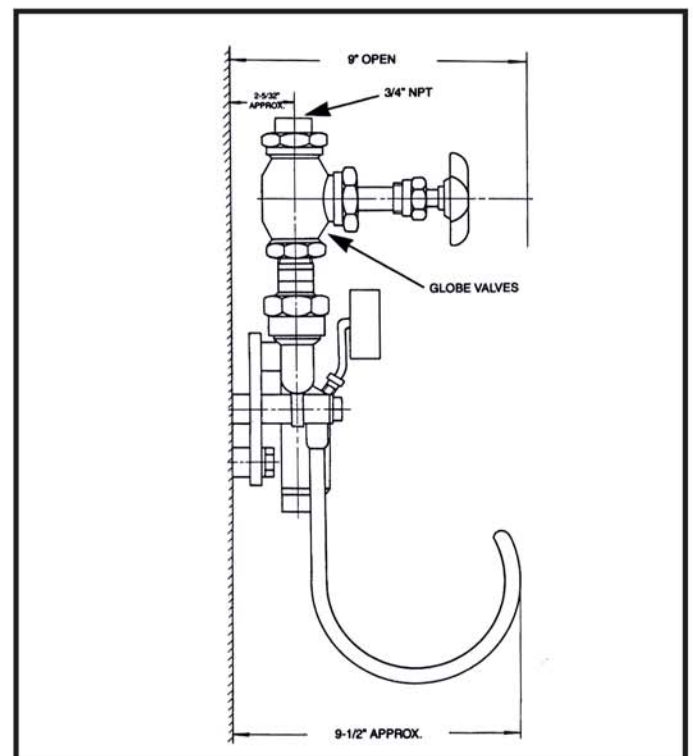
Maximum Pressure: 150 PSI

Maximum Temperature: 200° F (93° C)

Weight: 20 Lbs.



FRONT VIEW



SIDE VIEW

STAINLESS STEEL HOT & COLD WATER MIXING UNIT - 3600M-S SERIES

Features:

- Incorporated Y-style body with check valves and ball joint unions for superior flexibility during installation.
- Inlet center lines which have the same dimensions as most of our competitors'.
- Mounting plate, hose rack, and optional temperature gauge.

Part #:	Description
3600M-S	300 series stainless steel, hot & cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, and mounting bracket.
3600M-S-T	300 series stainless steel, hot & cold water wall mounted mixer-hose station. Includes globe valves, check valves, hose rack, mounting bracket, and adjustable angle temperature gauge

Principal Parts, Material & Rating

Inlet / Outlet Diameter: 3/4" NPT

Mixer Body: 300 Series Stainless Steel

Globe Style Valves: 300 Series Stainless Steel

Check Valves: 300 Series Stainless Steel



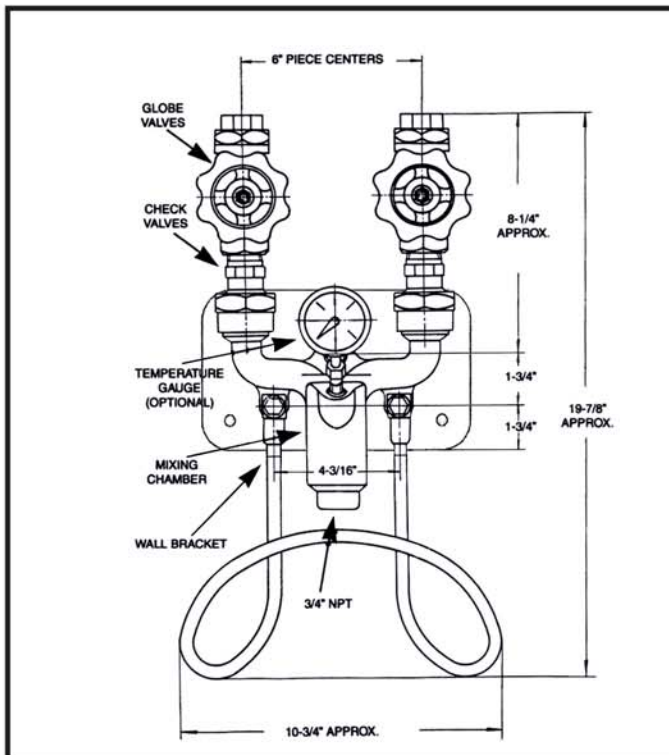
UNIT NOT FOR USE WITH STEAM

Temperature Gauge: (optional) Stainless Steel

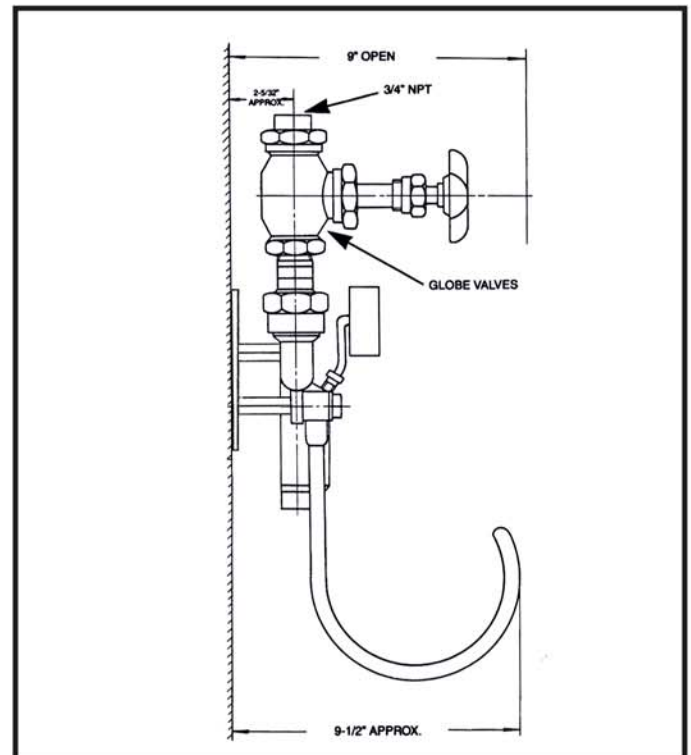
Maximum Pressure: 150 PSI

Maximum Temperature: 200° F (93° C)

Weight: 20 Lbs.



FRONT VIEW



SIDE VIEW

BALL VALVE HOT & COLD WATER MIXING UNIT - 3600BM SERIES

Features:

- Ball valves for easier shutoff while maintaining its original characteristics.
- Incorporated Y-style body with check valves and ball joint unions for superior flexibility during installation.
- Inlet center lines which have the same dimensions as most of our competitors'.
- Mounting plate, hose rack, and optional temperature gauge.

Part #:	Description
3600BM-B	Brass, hot & cold water wall mounted mixer-hose station. Includes ball valves, check valves, hose rack, and mounting bracket.
3600BM-B-T	Brass, hot & cold water wall mounted mixer-hose station. Includes ball valves, check valves, hose rack, mounting bracket, and temperature gauge.
3600BM-S	300 series stainless steel, hot & cold water wall mounted mixer-hose station. Includes ball valves, check valves, hose rack, and mounting bracket.
3600BM-S-T	300 series stainless steel, hot & cold water wall mounted mixer-hose station. Includes ball valves, check valves, hose rack, mounting bracket, and temperature gauge.



UNIT NOT FOR USE WITH STEAM

Principal Parts & Materials

Inlet / Outlet: 3/4" NPT

Mixer Body: Brass or 300 Series Stainless Steel

Ball Valves: Bronze or 300 Series Stainless Steel

Hose Rack: 300 Series Stainless Steel

Temperature Gauge: (optional) Stainless Steel

Weight: 13 Lbs.

Maximum Operative Conditions

Maximum Pressure: 150 PSI

Maximum Temperature: 200°F (93°C)

SINGLE GLOBE / BALL VALVE HOT OR COLD WATER STATION - 6000M & 6000BM SERIES

Features:

- Designed specifically to provide individual outlets of hot or cold water.
- Designed with two connection nuts for superior flexibility during installation.
- Mounting plate, hose rack, and optional temperature gauge.

Part #:	Description
6000M-B	Brass, single globe valve hot or cold water wall mounted station. Includes hose rack and mounting bracket.
6000BM-B	Brass, single ball valve hot or cold water wall mounted station. Includes hose rack and mounting bracket.



UNIT NOT FOR USE WITH STEAM

Principal Parts, Material & Ratings

Inlet / Outlet Diameter: 3/4" NPT

Station Body: Brass or 300 Series Stainless Steel

Globe Style Valve: Brass or 300 Series Stainless Steel

Ball Valve: Bronze or 300 Series Stainless Steel

Maximum Globe Valve Pressure: 150 PSI

Maximum Ball Valve Pressure: 600 PSI WOG

Maximum Temperature: 200° F (93° C)

Weight: 10 Lbs. (6000M) & 8 Lbs. (6000BM)



Part #:	Description
6000M-S	300 series stainless steel, single globe valve hot or cold water wall mounted station. Includes hose rack and mounting bracket.
6000BM-S	300 series stainless steel, single ball valve hot or cold water wall mounted station. Includes hose rack and mounting bracket.
6000M-S-T	300 series stainless steel, single globe valve hot or cold water wall mounted station. Includes hose rack, mounting plate, and temperature gauge.
6000BM-S-T	300 series stainless steel, single ball valve hot or cold water wall mounted station. Includes hose rack, mounting plate, and temperature gauge.

STEAM TRAP & STRAINER - ST8000 & SS8000 SERIES

Features:

- 304 series stainless steel construction for long lasting durability.
- 20 mesh screen incorporated into design for maximum filtration with minimal steam loss.
- Manufactured according to highest standards and guaranteed to provide you with a cleaner, healthier environment.

STEAM TRAP & STRAINER	
Part #:	Description
ST8000-SS	3/4" disc type steam trap. Includes internal strainer. 304 series stainless steel.
SS8000-SS	3/4" Y-type strainer. 304 series stainless steel.

Principal Parts & Materials

Inlet / Outlet Diameter: 3/4" NPT
 Body: 304 Series Stainless Steel
 Gaskets: Copper
 Screen: 20 Mesh
 Blow down valve opening: 1/2" NPT



Steam Trap



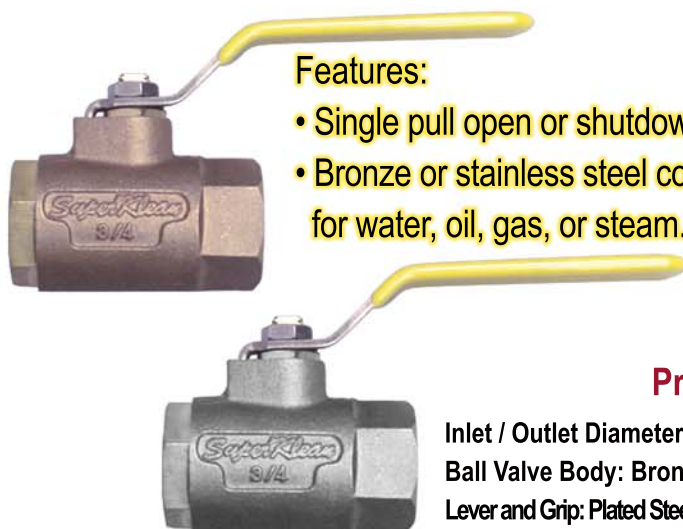
Strainer



Recommended Operative Conditions

Maximum Steam Pressure (Saturated Only): 600 PSI
 Maximum Water Pressure: 600 PSI
 Maximum Temperature: 800°F (427°C)
 Weight: Steam Trap 1.5 Lbs. / Strainer 1 Lb.

3/4" BALL VALVE



Features:

- Single pull open or shutdown ability.
- Bronze or stainless steel construction for water, oil, gas, or steam.

Part #:	Description
BALL VALVE-B	3/4" ball valve, Bronze (600 PSI WOG, 150 PSI, saturated steam)
BALL VALVE-SS	3/4" ball valve, Stainless Steel (600 PSI WOG, 150 PSI, saturated steam)

Principal Parts, Materials & Rating

Inlet / Outlet Diameter: 3/4" NPT
 Ball Valve Body: Bronze or Stainless Steel
 Lever and Grip: Plated Steel / Stainless Steel with Vinyl
 Stem Packing: Teflon
 Stem Bearing: Teflon
 Ball: Chrome Plated
 Seats: Teflon

Retainer: Brass or Stainless Steel
 Gland Nut: Brass or Stainless Steel
 Stem: Brass or Stainless Steel
 Lever Nut: Stainless Steel
 Body Seal: Teflon
 Weight: 1.28 Lbs.
 Pressure Rating: 600 PSI WOG - 150 PSI STEAM

DURAFLOW SPRAY NOZZLES

- DH150S Series

Features:

- Front trigger guard cover designed to prevent accidental spray.
- Trigger lock mechanism built in.
- Quick connect receptacle for accessories.
- 304 series stainless steel construction with a total weight of 1.53 Lbs.

DURAFLOW HIGH FLOW SPRAY NOZZLES

Part #:	Description
DH150S-DB	High flow DuraFlow 300 series stainless steel nozzle with dark blue cover
DH150S-R	High flow DuraFlow 300 series stainless steel nozzle with red cover
DH150S-W	High flow DuraFlow 300 series stainless steel nozzle with white cover

* Standard flow rates can be achieved with the purchase of flow restrictor adapter (8-FR-NPT)

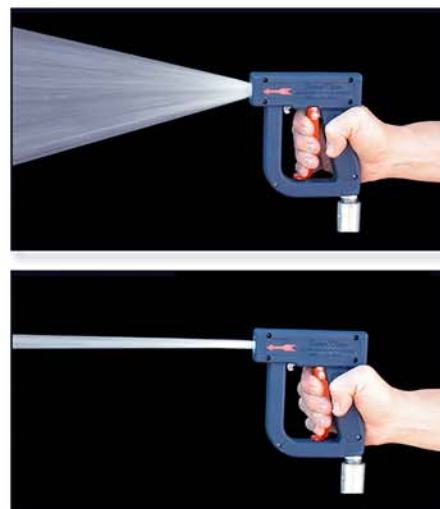


* 1/2" FEMALE NPT INLETS ON ALL DURAFLOW NOZZLES *

STANDARD Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	2.93
50	3.86
75	4.91
100	5.78
125	6.71
150	7.19

HIGH FLOW Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	4.39
50	6.54
75	8.18
100	9.56
125	10.83
150	11.89
*Estimated	

Rating: 150 PSI / 200°F (93°C)
Maximum Tested
Operating Pressure of 500 PSI
NOT FOR USE WITH STEAM



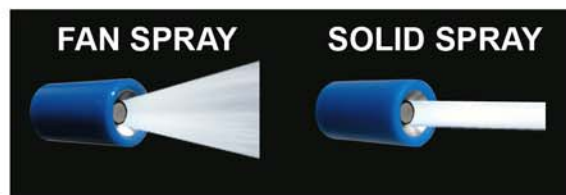
DURAFLOW NOZZLE WAND

- D-WAND & DM-WAND SERIES

Features:

- 1.5 or 3 foot 304 series stainless steel wand length options.
- Adjustable spray pattern wand tip. Solid or fan spray.
- Quick connect to any DH series or DS series nozzles.

Part #:	Description
DM-WAND	300 series stainless steel wand with quick disconnect and adjustable spray tip. 1.5 foot.
D-WAND	300 series stainless steel wand with quick disconnect and adjustable spray tip. 3 foot.



UNIT NOT FOR USE WITH STEAM
OPTIMAL REQUIRED PRESSURE: 75 PSI
WANDS DO NOT INCLUDE DURAFLOW NOZZLE



DURAFLOW “MINI” SPRAY NOZZLES

- DM150S Series

Features:

- Small compact design.
- Light weight versus other designs.
- Fully insulated.
- 304 series stainless steel construction.

DURAFLOW “MINI” SPRAY NOZZLES	
Part #:	Description
DM150S-DB	DuraFlow “Mini” 300 series stainless steel nozzle with dark blue cover
DM150S-R	DuraFlow “Mini” 300 series stainless steel nozzle with red cover
DM150S-W	DuraFlow “Mini” 300 series stainless steel nozzle with white cover

STANDARD	
Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	2.93
50	3.86
75	4.91
100	5.78
125	6.71
150	7.19
HIGH FLOW	
Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	4.39
50	6.54
75	8.18
100	9.56
125	10.83
150	11.89
*Estimated	

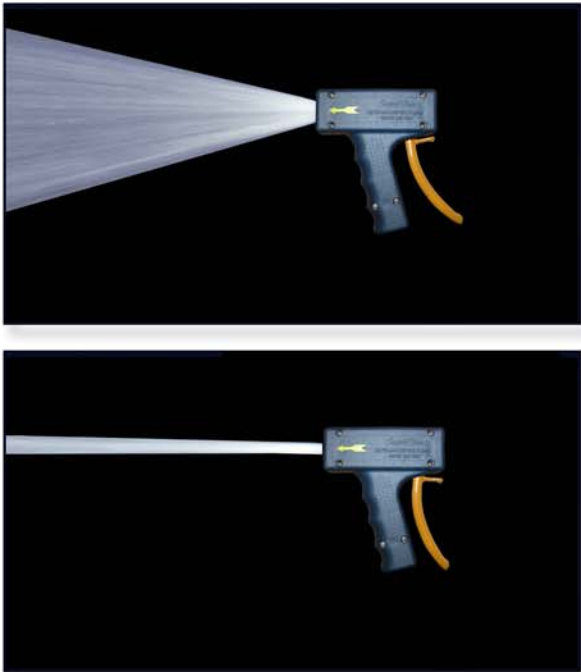
* Standard flow rates can be achieved with the purchase of flow restrictor adapter



1/2" FEMALE NPT INLETS ON ALL DURAFLOW “MINI” NOZZLES

Rating: 150 PSI / 200°F (93°C)

NOT FOR USE WITH STEAM



DURASPRAY SPRAY NOZZLES

- DS150S Series

Features:

- Design for hanging hose applications (from the roof).
- Anti-spray mechanism built into trigger.
- Quick connect receptacle for accessories.
- 304 series stainless steel construction.

DURASPRAY HIGH FLOW SPRAY NOZZLES	
Part #:	Description
DS150S-DB	High flow DuraSpray 300 series stainless steel nozzle with dark blue cover
DS150S-R	High flow DuraSpray 300 series stainless steel nozzle with red cover
DS150S-W	High flow DuraSpray 300 series stainless steel nozzle with white cover

STANDARD	
Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	2.93
50	3.86
75	4.91
100	5.78
125	6.71
150	7.19
HIGH FLOW	
Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	4.39
50	6.54
75	8.18
100	9.56
125	10.83
150	11.89
*Estimated	

* Standard flow rates can be achieved with the purchase of flow restrictor adapter (8-FR-NPT)

* 1/2" FEMALE NPT INLETS ON ALL DURASPRAY NOZZLES *



Rating: 150 PSI / 200°F (93°C)
Maximum Tested Operating Pressure of 500 PSI
NOT FOR USE WITH STEAM



STANDARD SPRAY NOZZLES - 150 SERIES

Features:

- Durable rubber covers.
- Aluminum light weight nozzles. (1.69 Lbs.)
- 304 series stainless steel nozzles. (2.78 Lbs.)
- Interchangeable with other similar brands.

- 1/2" FEMALE NPT INLETS ON ALL NOZZLES



Standard Aluminum Nozzle



Standard Brass Nozzle



Standard 300 Series Stainless Steel Nozzle

STANDARD NOZZLES

Inlet Pressure *(PSIG)	Flow Rate *(GPM)
25	4.39
50	6.54
75	8.18
100	9.56
125	10.83
150	11.89
200	12.67
250	15.01
300	16.12
350	17.45
400	19.55
450	20.52
500	22.01

*Estimated



Rating: 150 PSI / 200°F (93°C)

**Maximum Tested Operating Pressure of 500 PSI
NOT FOR USE WITH STEAM**

STANDARD NOZZLES

Part #:	Description
150B-DB	Brass nozzle with dark blue cover
150B-R	Brass nozzle with red cover
150B-W	Brass nozzle with white cover
150A-LB	Anodized aluminum nozzle with light blue cover
150A-R	Anodized aluminum nozzle with red cover
150A-W	Anodized aluminum nozzle with white cover
150S-G	300 series stainless steel nozzle with gray cover
150S-R	300 series stainless steel nozzle with red cover
150S-W	300 series stainless steel nozzle with white cover

THERMOSMART SPRAY NOZZLES - T150 SERIES

Features:

- Temperature indicating window to prevent water related burns.
- Accurate temperature reading.
- USDA/FDA compliance for correct output temperature.

Rating: 150 PSI / 200°F (93°C)

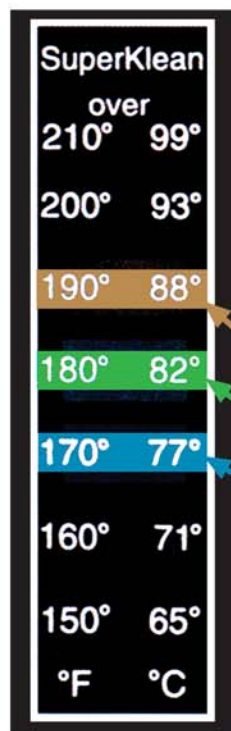
**Maximum Tested Operating Pressure of 500 PSI
NOT FOR USE WITH STEAM**

SuperKlean's Thermosmart spray nozzles are manufactured with the same characteristics as our standard spray nozzles. We offer Thermosmart spray nozzles in brass, aluminum, and stainless steel.

THERMOSMART NOZZLES	
Part #:	Description
T150B-DB	Thermosmart brass nozzle with dark blue cover
T150B-W	Thermosmart brass nozzle with white cover
T150A-LB	Thermosmart aluminum nozzle with light blue cover
T150A-W	Thermosmart aluminum nozzle with white cover
T150S-G	Thermosmart 300 series stainless steel nozzle with gray cover
T150S-W	Thermosmart 300 series stainless steel nozzle with white cover



1/2" FEMALE NPT INLET



Window turns tan when below rated temperature.

Window turns green when within 2°F of rated temperature.

Window turns blue when above rated temperature.

NOTE: NOT ACTUAL SIZE

SPRAY NOZZLE PARTS

Features:

- Interchangeable parts on standard nozzles.
- Fully assembled cartridges containing all internal gaskets & o-rings.

NOZZLE PARTS	
Part #:	Description
1-B	Nozzle body, brass, one piece, epoxy resin coated
1-A	Nozzle body, anodized aluminum, one piece, epoxy resin coated
1-S	Nozzle body, 300 series stainless steel, one piece, epoxy resin coated
2	Lever, 300 series stainless steel
2-DS	DuraFlow lever, 300 series stainless steel
2-DMS	DuraFlow "Mini" lever, 300 series stainless steel
3	Lever bolt, bushing & nut, 300 series stainless steel
5-S	Cage or "thrust collar", 300 series stainless steel
6	Lock screw or "end adapter", 300 series stainless steel
7-B	Cartridge or "barrel assembly", brass, contains all working parts
7-S	Cartridge or "barrel assembly", 300 series stainless steel, contains all working parts
7-DS	DuraFlow cartridge or "barrel assembly", 300 series stainless steel, contains all working parts
7-DMS	DuraFlow "Mini" cartridge or "barrel assembly", 300 series stainless steel, contains all working parts



ALL SUPERKLEAN STANDARD NOZZLE PARTS ARE INTERCHANGEABLE WITH THOSE OF OUR COMPETITORS

Features:

- Interchangeable covers on standard nozzles.
- Specially formulated covers for easy installation, long lasting durability and resistant to a wide range of oils, fats and chemicals.

NOZZLE COVERS	
Part #:	Description
4-DB	Nozzle cover, dark blue
4-LB	Nozzle cover, light blue
4-G	Nozzle cover, gray
4-R	Nozzle cover, red
4-W	Nozzle cover, white
4-DDB	DuraFlow nozzle cover, dark blue
4-DR	DuraFlow nozzle cover, red
4-DW	DuraFlow nozzle cover, white
4-DMDB	DuraFlow "Mini" nozzle cover, dark blue
4-DMR	DuraFlow "Mini" nozzle cover, red
4-DMW	DuraFlow "Mini" nozzle cover, white



BALL TYPE SWIVEL ADAPTERS - 8-B SERIES

Features:

- 360° swivel rotation to prevent hose kinking as well as ergonomic ball rotation which rotates freely with the natural rotation of the wrist.
- 2" long hose shank/barb for a safer and more secure installation.
- Lock O-ring, replacing the traditional C-ring, to secure swivel head.
- Built-in lock ring for nozzle lever which minimizes hand fatigue.



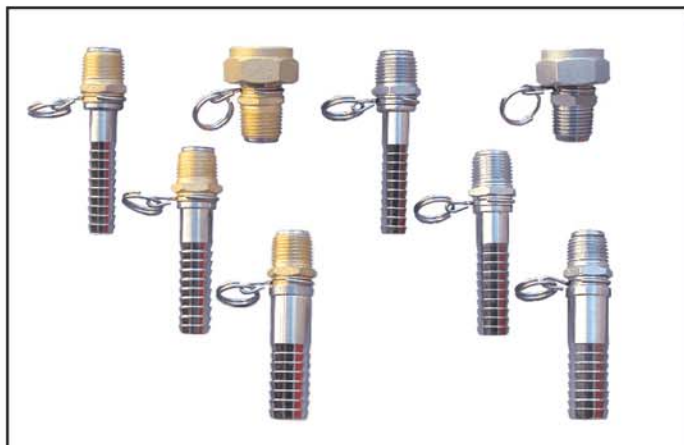
BALL TYPE SWIVEL ADAPTERS

Part #:	Description
8-B1/2-B	Swivel adapter (1/2" NPT x 1/2" hose barb, ball type), brass & 300 series stainless steel
8-B1/2-S	Swivel adapter (1/2" NPT x 1/2" hose barb, ball type), 300 series stainless steel
8-B5/8-B	Swivel adapter (1/2" NPT x 5/8" hose barb, ball type), brass & 300 series stainless steel
8-B5/8-S	Swivel adapter (1/2" NPT x 5/8" hose barb, ball type), 300 series stainless steel
8-B3/4-B	Swivel adapter (1/2" NPT x 3/4" hose barb, ball type), brass & 300 series stainless steel
8-B3/4-S	Swivel adapter (1/2" NPT x 3/4" hose barb, ball type), 300 series stainless steel

STANDARD SWIVEL ADAPTERS - 8 SERIES

Features:

- 360° swivel rotation to prevent hose kinking.
- 2" long hose shank/barb for a safer and more secure installation.
- Lock O-ring, replacing the traditional C-ring, to secure swivel head.
- Built-in lock ring for nozzle lever which minimizes hand fatigue.



SWIVEL ADAPTERS

Part #:	Description
8-1/2-B	Swivel adapter (1/2" NPT x 1/2" hose barb), brass & 300 series stainless steel
8-1/2-S	Swivel adapter (1/2" NPT x 1/2" hose barb), 300 series stainless steel
8-5/8-B	Swivel adapter (1/2" NPT x 5/8" hose barb), brass & 300 series stainless steel
8-5/8-S	Swivel adapter (1/2" NPT x 5/8" hose barb), 300 series stainless steel
8-3/4-B	Swivel adapter (1/2" NPT x 3/4" hose barb), brass & 300 series stainless steel
8-3/4-S	Swivel adapter (1/2" NPT x 3/4" hose barb), 300 series stainless steel
8-GHT-B	Swivel adapter (1/2" NPT x 3/4" FGHT), brass & 300 series stainless steel
8-GHT-S	Swivel adapter (1/2" NPT x 3/4" FGHT), 300 series stainless steel

FGHT x HOSE BARB SWIVEL ADAPTERS - 8-FGHT SERIES

Features:

- FGHT 360° swivel rotation to prevent hose kinking.
- 2" long hose shank/barb for a safer and more secure installation.



FGHT x HOSE BARB SWIVEL ADAPTERS	
Part #:	Description
8-FGHT1/2-B	Swivel adapter (3/4" FGHT x 1/2" hose barb), brass & 300 series stainless steel
8-FGHT5/8-B	Swivel adapter (3/4" FGHT x 5/8" hose barb), brass & 300 series stainless steel
8-FGHT3/4-B	Swivel adapter (3/4" FGHT x 3/4" hose barb), brass & 300 series stainless steel
8-FGHT1/2-S	Swivel adapter (3/4" FGHT x 1/2" hose barb), 300 series stainless steel
8-FGHT5/8-S	Swivel adapter (3/4" FGHT x 5/8" hose barb), 300 series stainless steel
8-FGHT3/4-S	Swivel adapter (3/4" FGHT x 3/4" hose barb), 300 series stainless steel

3/4" MALE NPT x 3/4" MALE GHT ADAPTERS - 8-ADAPT SERIES

Features:

- 3/4" MNPT x MGHT designed to complement our FGHT x hose barb adapters with the ability to make a 3/4" MNT swivel.
- Once attached to above fitting, user is assured a 360° swivel rotation to prevent hose kinking.



3/4" MALE NPT x 3/4" MALE GHT ADAPTERS	
Part #:	Description
8-ADAPT-B	3/4" male NPT x 3/4" male GHT adapter, brass
8-ADAPT-S	3/4" male NPT x 3/4" male GHT adapter, 300 series stainless steel

3-PIECE MIXER ADAPTERS & ADJUSTABLE ANGLE TEMPERATURE GAUGE

Features:

- 2" long hose shank/barb for a safer and more secure installation.
- Stainless steel adjustable angle temperature gauge which provide accurate readings of water temperature exiting mixing units.

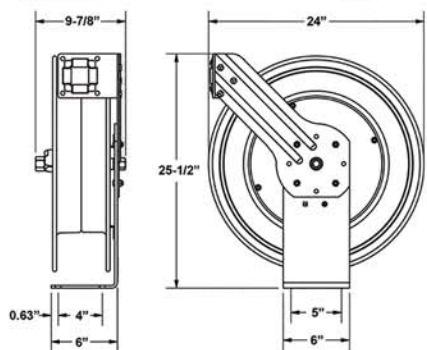


3-PIECE MIXER ADAPTERS & TEMPERATURE GAUGE	
Part #:	Description
9-1/2-B	3-piece mixer adapter (3/4" NPT x 1/2" hose barb), brass
9-1/2-S	3-piece mixer adapter (3/4" NPT x 1/2" hose barb), 300 series stainless steel
9-5/8-B	3-piece mixer adapter (3/4" NPT x 5/8" hose barb), brass
9-5/8-S	3-piece mixer adapter (3/4" NPT x 5/8" hose barb), 300 series stainless steel
9-3/4-B	3-piece mixer adapter (3/4" NPT x 3/4" hose barb), brass
9-3/4-S	3-piece mixer adapter (3/4" NPT x 3/4" hose barb), 300 series stainless steel
10	Temperature gauge, 300 series stainless steel

SPRING DRIVEN HOSE REELS - DURAREEL DR8 & DR8S SERIES

Features:

- Dual axle support system with a 1" axle for increased stability, reduction of vibration, and structural integrity.
- Sturdy single pedestal chassis and frame to accommodate 50' of any of our hose assemblies.
- Professional grade heavy duty steel with durable powder coat finish or professional grade heavy duty electro-polished stainless steel.
- Ribbed discs with rolled edges which are CNC spun to provide strength, safety, and durability.
- Standard 90° 1/2" NPT inlet swivel connection in either brass or stainless steel.
- Guide arm that adjusts to wall, floor, vehicle and overhead positions and has a solid one piece heavy gauge 1/4" base and support post for maximum stability.
- Enclosed factory tuned and matched cartridge-style spring motor with non-corrosive stainless steel spring, pawl, and multi-position lock ratchet mechanism.



Part #:	Description
DR8	Powder coated heavy duty steel spring driven hose reel.
DR8S	Electro-polished heavy duty stainless steel spring driven hose reel.

Principal Parts & Materials

Inlet / Outlet Diameter: 1/2" NPT

Material: Powder coated steel

Electro-polished stainless steel
(304 & 316 series stainless steel)

Recommended Operative Conditions

Maximum Working Water Pressure: 300 PSI (20.7 Bar)

Maximum Temperature: 200°F (93°C)

Maximum Hose Length: 50' @ 3/4" ID

Maximum Hose ID: 3/4"

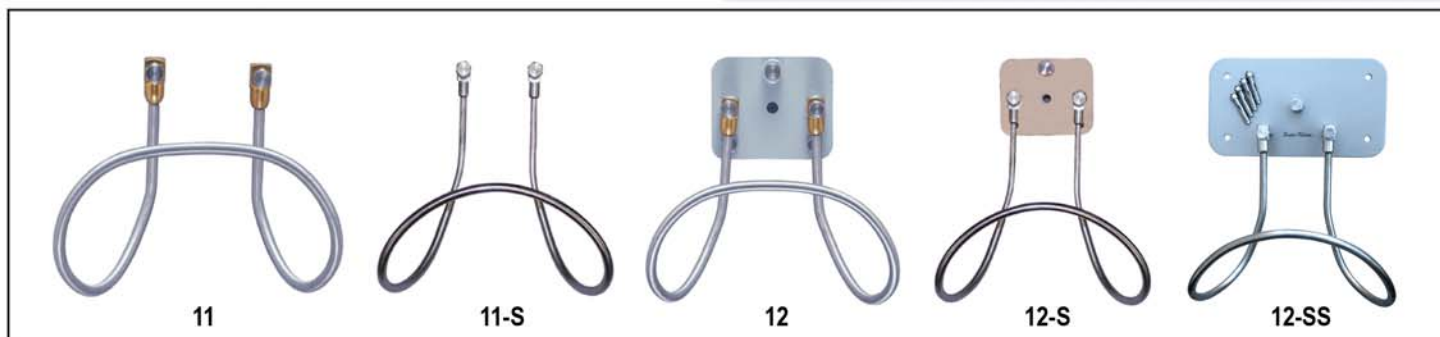
Weight: 69 Lbs. (31 Kg.)

HOSE RACKS

Features:

- 321 series stainless steel construction which are virtually corrosion resistant in most applications and environments.
- Aluminum epoxy coated mounting plates designed for quick and easy installation and meets the required spacing between wall to plate and plate to units.
- Stainless steel mounting plates designed for quick and easy installation and meets the required spacing between plate and units.

HOSE RACKS	
Part #:	Description
11	300 series stainless steel/brass hose rack for unit mounting.
11-S	300 series stainless steel hose rack for unit mounting.
12	300 series stainless steel/brass hose rack for wall mounting.
12-S	300 series stainless steel hose rack for wall mounting.
12-SS	300 series stainless steel hose rack for wall mounting (includes stainless steel mounting plate).



HOSES

Features:

- Flexible, lightweight, economical, durable, and safe constructions.
- Your choice of standard adapters on every assembly made.
- Assemblies in lengths of 25', 50', 75', and 100' and can also be supplied in increments of 25' up to 400'.
- Wide variety of hose constructions and materials to suit all your washdown needs.



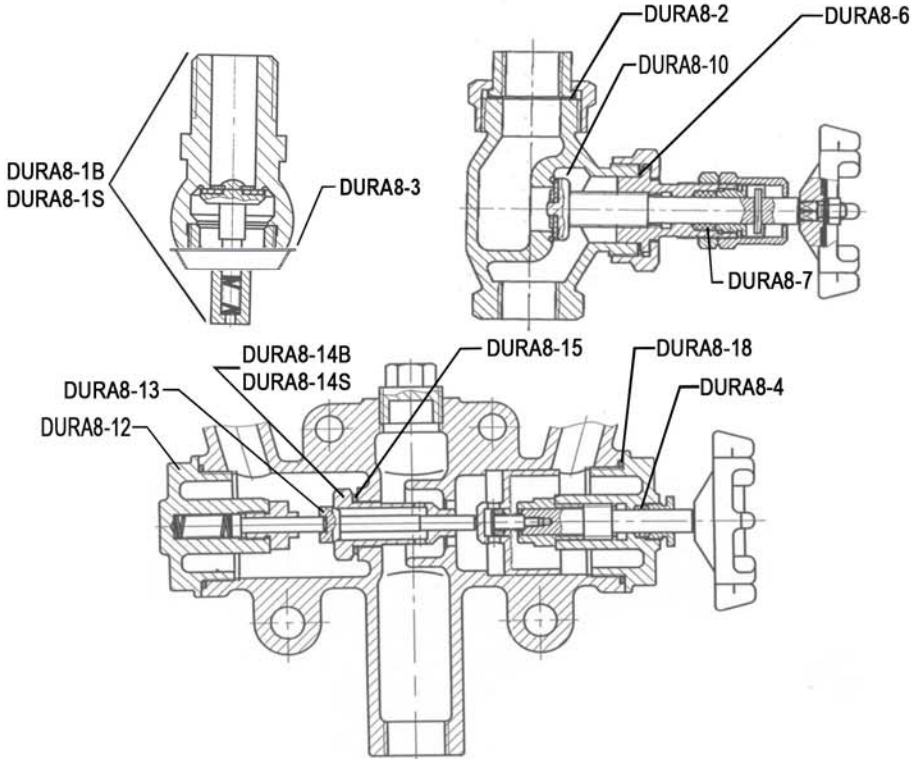
Hose Guard
Optional

External Sleeve
Optional

HOSES NOT FOR USE WITH STEAM
ALL HOSES HAVE A MAXIMUM TEMPERATURE RATING OF 200° F

Part #:	Inner Diameter	Max Pressure	Cover Color	Cover Material	Tube Material	Reinforcement
UW	3/4"	250 PSI	White	Smooth EPDM	EPDM	4 Polyester Yarn Spirals
UB	3/4"	250 PSI	Black	Smooth EPDM	EPDM	4 Polyester Yarn Spirals
UR	3/4"	250 PSI	Red	Smooth EPDM	EPDM	4 Polyester Yarn Spirals
UY	3/4"	400 PSI	Yellow	Smooth Nitrile	Nitrile	2 Polyester Yarn Spirals
UBS	5/8"	250 PSI	Black	Wrapped Neoprene	Chlorobutyl	Single Rayon Textile Braid
UWS	5/8"	250 PSI	White	Wrapped Hypalon	Chlorobutyl	Single Rayon Textile Braid
URS	5/8"	250 PSI	Red	Wrapped Neoprene	Chlorobutyl	Single Rayon Textile Braid

DURAMIX 8000 PARTS LIST



Part #:	Description
DURA8-1B	Check valve assembly. Includes check valve poppet, spring, and copper connection gasket. Bronze.
DURA8-1S	Check valve assembly. Includes check valve poppet, spring, and copper connection gasket. Stainless steel.
DURA8-2-T	Globe valve connection gasket. Teflon. Cold water.
DURA8-2-C	Globe valve connection gasket. Copper. Steam.
DURA8-3	Check valve connection gasket. Copper.
DURA8-4	Temperature control stem guide Teflon filling.
DURA8-6	Globe valve stem guide nut gasket. Teflon.
DURA8-7	Globe valve stem guide Teflon filling.
DURA8-10B	Globe valve poppet. Brass.
DURA8-10S	Globe valve poppet. Stainless steel.
DURA8-12B	Steam chamber cover plate assembly. Bronze.
DURA8-12S	Steam chamber cover plate assembly. Stainless steel.
DURA8-13	Steam poppet. Stainless steel.
DURA8-14S	Steam poppet seat. Stainless steel. (DURA8-13 required)
DURA8-15	Steam poppet seat copper gasket.
DURA8-18	Temperature control chamber plate gasket. Teflon.

Notes:

[illegible]

DURAMIX 8000 TEMPERATURE RISE VS. OUTPUT FLOW RATE

(Charts below are for reference purposes only)
(Saturated Steam Only)

For example, provided you have the following:

1. Inlet water: 60 PSI @ 50°F (10°C)
2. Inlet steam: 75 PSI
3. Desired output: 12 GPM @ 105°F (41°C)

Temperature rise in F° should be converted to temperature rise in C° using the following formula:

$$\text{Temp. Rise C}^\circ = (\text{Temp. High F}^\circ - \text{Temp. Low F}^\circ) / 1.8$$

Temperature Rise = 105-50 = 55°F. By examining the table with 55°F temperature rise, we discover that a water output of 12.1 GPM can be achieved with 60 PSI water and 75 PSI steam. This means that one Duramix 8000 unit will be able to produce 12.1 GPM @ 105°F at the outlet, thus satisfying the requirements. Please note that in some cases, it will be necessary to install multiple Duramix 8000 units if desired outflow is higher than what is indicated on this chart.

0°F (0°C) Temperature Rise Flow Rate: (30 PSI water pressure) 13.1 GPM, (45 PSI water pressure) 13.3 GPM, (60 PSI water pressure) 13.6 GPM, (75 PSI water pressure) 13.8 GPM

55°F (31°C) Temperature Rise

(Inlet Water Temperature + 55°F (31°C) Temperature Rise = Outlet Temperature Output)

STEAM WATER	45 psi (3 Bar)	75 psi (5 Bar)	100 psi (7 Bar)	125 psi (9 Bar)	150 psi (10 Bar)
30 psi (2 Bar)	10.0 gal/min 37.9 l/min	11.8 gal/min 44.7 l/min	13.0 gal/min 49.2 l/min	14.1 gal/min 53.4 l/min	15.2 gal/min 57.5 l/min
45 psi (3 Bar)	10.0 gal/min 37.9 l/min	12.0 gal/min 45.4 l/min	13.2 gal/min 50.0 l/min	14.2 gal/min 53.8 l/min	15.3 gal/min 57.9 l/min
60 psi (4 Bar)	10.2 gal/min 38.6 l/min	12.1 gal/min 45.8 l/min	14.0 gal/min 53.0 l/min	14.3 gal/min 54.1 l/min	15.6 gal/min 59.1 l/min
75 psi (5 Bar)	10.3 gal/min 39 l/min	12.3 gal/min 46.6 l/min	14.2 gal/min 53.8 l/min	14.5 gal/min 54.9 l/min	15.7 gal/min 59.4 l/min

100°F (56°C) Temperature Rise

(Inlet Water Temperature + 100°F (56°C) Temperature Rise = Outlet Temperature Output)

STEAM WATER	45 psi (3 Bar)	75 psi (5 Bar)	100 psi (7 Bar)	125 psi (9 Bar)	150 psi (10 Bar)
30 psi (2 Bar)	6.5 gal/min 24.6 l/min	8.0 gal/min 30.3 l/min	8.5 gal/min 32.2 l/min	9.4 gal/min 35.6 l/min	10.2 gal/min 38.6 l/min
45 psi (3 Bar)	6.5 gal/min 24.6 l/min	8.2 gal/min 31.0 l/min	9.0 gal/min 34.1 l/min	9.6 gal/min 36.3 l/min	10.5 gal/min 39.7 l/min
60 psi (4 Bar)	6.8 gal/min 25.7 l/min	8.2 gal/min 31.0 l/min	9.9 gal/min 37.5 l/min	10.0 gal/min 37.9 l/min	10.7 gal/min 40.5 l/min
75 psi (5 Bar)	6.9 gal/min 26.1 l/min	8.3 gal/min 31.4 l/min	10.1 gal/min 38.2 l/min	10.3 gal/min 39 l/min	10.9 gal/min 41.3 l/min

135°F (75°C) Temperature Rise

(Inlet Water Temperature + 135°F (75°C) Temperature Rise = Outlet Temperature Output)

STEAM WATER	45 psi (3 Bar)	75 psi (5 Bar)	100 psi (7 Bar)	125 psi (9 Bar)	150 psi (10 Bar)
30 psi (2 Bar)	4.6 gal/min 17.4 l/min	6.7 gal/min 25.4 l/min	7.2 gal/min 27.3 l/min	8.3 gal/min 31.4 l/min	9.5 gal/min 36 l/min
45 psi (3 Bar)	4.8 gal/min 18.2 l/min	7.0 gal/min 26.5 l/min	7.6 gal/min 28.8 l/min	8.5 gal/min 32.2 l/min	9.7 gal/min 36.7 l/min
60 psi (4 Bar)	4.8 gal/min 18.2 l/min	7.2 gal/min 27.3 l/min	7.8 gal/min 29.5 l/min	8.6 gal/min 32.6 l/min	9.8 gal/min 37.1 l/min
75 psi (5 Bar)	4.9 gal/min 18.5 l/min	7.3 gal/min 27.6 l/min	8.0 gal/min 30.3 l/min	8.9 gal/min 33.7 l/min	10.1 gal/min 38.2 l/min

TERMS & CONDITIONS AGREEMENT

GENERAL The following terms and conditions shall constitute the entire Agreement by the Seller for the purchase and sale of A & C Consulting & Manufacturing products. Any terms and conditions contained in the Purchaser's purchase order that are different from, in addition to, or vary from A & C Consulting & Manufacturing terms & conditions shall not be binding, and are hereby excluded.

AGREEMENT Orders are subject to acceptance in writing by A & C Consulting & Manufacturing hereinafter referred to as the "Seller" at its Burlingame, California office.

WARRANTY The Seller warrants its products against defects in materials and workmanship for one year from date of shipment. The Seller's warranty will be limited to (at Seller's option) refund of the Seller's selling price, or repair or replacement of the product or part proven to be materially defective when used for the purpose for which it was intended. The Seller shall be liable for no other warranties, oral, written, express or implied. The Seller's warranty obligations and remedies hereunder are solely and exclusively as stated herein. In no event shall the Seller be liable either to customers for incidental or consequential damages or for personal injury or property damages resulting from the use of the products sold. The undertaking of repairs or replacement by Purchaser or its agents without the Seller's written consent shall relieve the Seller of all responsibility herewith.

FORCE MAJEURE The Seller shall endeavor to ship products specified in any acceptance order, but the Seller shall not be considered in default of its obligations hereunder if such performance is presented or delayed because of unavailability of materials, equipment, labor or technical personnel, war, labor strikes, riots, hostilities, fires, accidents, shutdowns of its manufacturing plants or plants supplying it, embargos or inability to secure transportation; or because any law, order, proclamation, regulation or ordinance, of any government; or because of acts of God or for any other cause beyond the reasonable control of the Seller.

DELIVERY Unless otherwise specified in writing, delivery will be FOB, Burlingame.

PRICES & DESIGNS Prices and designs are subject to change without notice.

LIMITATION OF LIABILITY No claims made by the Purchaser whether as to goods delivered or for non-delivery of goods shall be greater than the purchase price of the goods. Under no circumstances shall the Seller be liable for consequential damages.

TAXES All applicable federal, state or local sales, use or excise taxes are the responsibility of the Purchaser, and are in addition to prices printed or stated. The Seller shall have the right to invoice separately any such tax as may be imposed at a later date. Applicable tax exemption certificates must accompany any order to which same applies.

RETURN OF GOODS The Seller will not accept return of any product unless a returned goods authorization number has first been obtained from the Seller in which case, credit will be issued after inspection and fulfillment of the following criteria:

1. All goods must be returned prepaid freight and in original condition, if not, credit will not be issued and goods will be returned to Purchaser at Purchaser's expense.
2. A stocking and handling charge of 20% will be imposed on all returned goods.
3. Transportation charges on all returned goods are to be paid by Purchaser in all cases.

CANCELLATION A purchase order or any part thereof which is accepted by the Seller may not be cancelled unless, and until the Seller has deemed what action is necessary and advisable to minimize costs resulting from cancellation. Orders for non-customized goods that have already been shipped are subject to a 20% handling and restocking charge.

TERMS OF PAYMENT U.S. terms of payment are 1% ten, net 30 upon credit approval. The seller reserves the right to defer shipment until receipt of cash. in the Seller's judgement, the Purchaser's financial condition becomes unsatisfactory. A service charge of 1 1/2% per month will be charged on all accounts that exceed 60 days from date of invoice. The Seller reserves the right to alter the payment terms.

PARTIAL INVALIDITY If any provision of this Agreement is or becomes unenforceable or invalid at any time under law, rule or regulation, no other provisions of this Agreement shall be affected thereby and remaining provisions of this Agreement shall continue in force as if such unenforceable or invalid provision did exist.

GOVERNING LAW This Agreement shall be governed in all respects by the laws of California.

ARBITRATION All disputes between the Purchaser and Seller in relation with this Agreement shall be settled through negotiation. In the event where no settlement can be reached through negotiation, the dispute shall be submitted for Arbitration. The Arbitration shall take place in San Francisco, California USA. The decision of the Arbitration shall be accepted as final and binding upon both parties. Arbitration expenses shall be borne by the losing party. Arbitration shall be conducted by the American Arbitration Association pursuant to its rules and procedures unless otherwise agreed upon by the parties.

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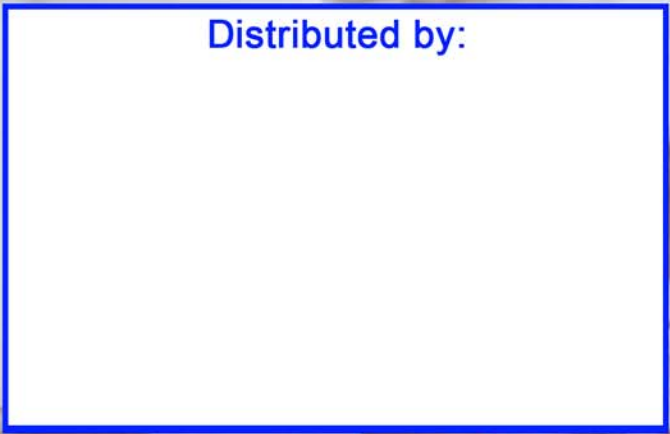
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