



ACCESSORIES

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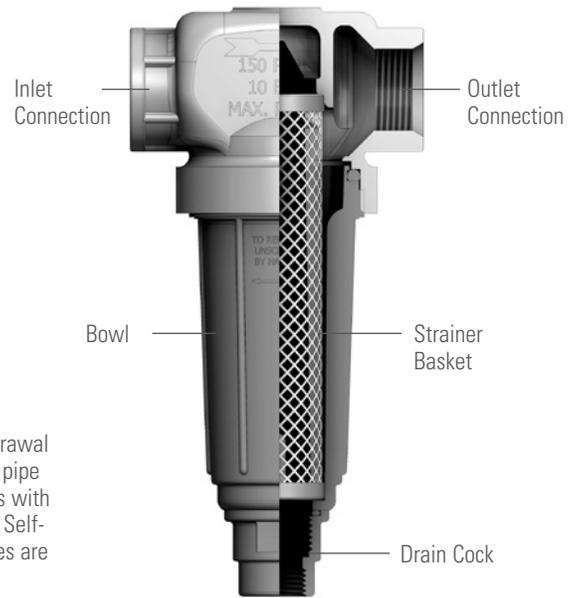


STRAINER
FEATURES AND BENEFITS

- Reduce clogging in tank cleaners and tank cleaning nozzles
- Remove contaminants from liquid to ensure continuous movement of rotating spray heads
- Extend wear life of nozzles, valves and pumps
- Wide range of options: heavy duty, heavy duty high pressure, self cleaning and a wide range of mesh sizes

T-Style Strainer

T-strainers feature a removable bottom cap or plug for complete withdrawal of the screen assembly during cleaning. On some models, the bottom pipe plug can be replaced with a drain cock for quick-flush cleaning. Models with a clear nylon bowl allow easy visual inspection of the internal screen. Self-clean designs allow filtered liquid to pass through, while liquid particles are returned back to the liquid supply through a return outlet.



STRAINER OPTIONS

TWD

- 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn.
- Removable bottom plug for easy screen cleaning
- Bottom plug can be replaced with drain cock for flush cleaning
- Max. pressure: 300 psi (20 bar)
- Materials: Aluminum, brass, stainless steel
- Mesh: 16, 30, 50, 80, 100, 40 x 200 Dutch weave
- Use TWC for connections of 3" and up.
- TWC handles large flow rates with minimal pressure drops. Call your local specialist for application assistance.



Model 8310A:

- Designed for high pressure operation
- Removable bottom plug for easy flush cleaning of screen
- 1/4", 3/8", 1/2" female conn.
- Max. pressure: 5000 psi at 150°F (345 bar at 66°C)
- Material: Stainless steel
- Mesh: 16, 30, 50, 100



AA124/AA430

- 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn. (Inlet connections vary depending on strainer type)
- Larger size screen area requires less frequent cleaning
- Self-cleaning styles and versions with mounting lugs available
- AA124 and AA430 versions are the same except for materials and inlet connections



| Strainer Type | Strainer Part No. | Material* | Max. Pressure | Mesh Sizes |
|-----------------------------|-------------------|-------------------------------|------------------|--|
| 124 | AA124-AL | Aluminum head/nylon bowl | 150 psi (10 bar) | 16, 30, 50, 80, 100 |
| 124ML with mounting holes** | AA124ML-AL | Aluminum head/nylon bowl | 150 psi (10 bar) | 16, 30, 50, 80, 100 |
| 124A self-cleaning version | AA124ASC-NYB | Aluminum head/nylon bowl | 110 psi (8 bar) | 16, 30, 50, 80, 100 |
| 430ML with mounting holes** | AA430ML | Polypropylene head/nylon bowl | 110 psi (8 bar) | 16, 30, 50, 80, 100, 120, 200 ¹ |
| 430 self-cleaning version | AA430SC | Polypropylene head/nylon bowl | 75 psi (5 bar) | 16, 30, 50, 80, 100, 120, 200 ¹ |

*Max. temperature for plastic 100°F (38°C); max. temperature for metal 180°F (82°C).

**For mounting on machinery or angle iron.

¹120 only for 1-1/4" and 1-1/2" sizes; 200 only for 3/4" and 1" sizes.



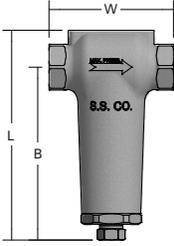
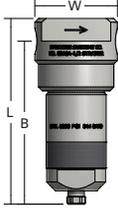
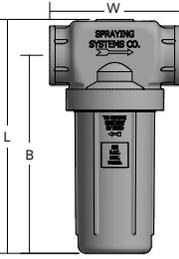
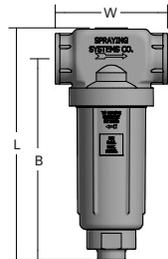
MESH RECOMMENDATIONS

| Nozzle Type | Mesh Recommendation |
|---|--|
| Motor Driven Tank Cleaner | 100 min. |
| Fluid Driven (Turbine) | 30 to 50 |
| Fluid Driven (Reactionary Force and Constant Speed) | 200 min. |
| Fixed Stationary | Refer to Mesh to Micron Conversion Chart |

MESH TO MICRON CONVERSION CHART

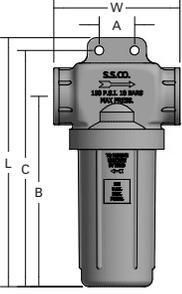
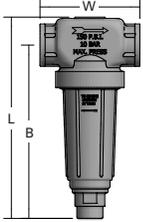
| Mesh | Micron | Inches (mm) |
|------|--------|--------------|
| 16 | 1191 | 0.0469 (1.2) |
| 20 | 840 | 0.0331 (.84) |
| 30 | 590 | 0.0232 (.58) |
| 50 | 297 | 0.0117 (.29) |
| 60 | 250 | 0.0098 (.24) |
| 80 | 177 | 0.0070 (.17) |
| 100 | 149 | 0.0059 (.14) |
| 200 | 74 | 0.0035 (.08) |

DIMENSIONS AND WEIGHTS

| Strainer | Model | Inlet Conn. in. | L in. (mm) | W in. (mm) | B in. (mm) | Net Weight oz. (kg) |
|---|---------|-----------------|----------------|---------------|---------------|---------------------|
|  | TWD | 1/4 | 3.922 (99.6) | 2.500 (63.5) | 3.235 (82.2) | 24.9 (0.71) |
| | | 3/8 | 4.905 (124.6) | 3.250 (82.6) | 3.965 (100.7) | 28.2 (0.80) |
| | | 1/2 | 4.905 (124.6) | 3.250 (82.6) | 3.965 (100.7) | 28.2 (0.80) |
| | | 3/4 | 7.535 (191.4) | 4.500 (114.3) | 6.225 (158.1) | 80.4 (2.28) |
| | | 1 | 7.535 (191.4) | 4.500 (114.3) | 6.225 (158.1) | 76.7 (2.17) |
| | | 1-1/4 | 10.320 (262.1) | 6.000 (152.4) | 8.380 (212.9) | 190.2 (5.39) |
| | | 1-1/2 | 10.320 (262.1) | 6.000 (152.4) | 8.380 (212.9) | 183.5 (5.20) |
| | | 2 | 12.365 (314.1) | 8.000 (203.2) | 9.805 (249) | 357.8 (10.14) |
|  | 8310A | 1/4 | 6.090 (154.7) | 2.750 (69.9) | 5.340 (135.6) | 76.9 (2.18) |
| | | 3/8 | 6.090 (154.7) | 2.750 (69.9) | 5.340 (135.6) | 75.8 (2.15) |
| | | 1/2 | 6.090 (154.7) | 2.750 (69.9) | 5.340 (135.6) | 74.8 (2.12) |
|  | AA124 | 1-1/4 | 9.400 (238.8) | 5.344 (135.7) | 8.020 (203.7) | 77.2 (2.19) |
| | | 1-1/2 | 9.400 (238.8) | 5.344 (135.7) | 8.020 (203.7) | 76.9 (2.18) |
| | | 2 | 12.000 (304.8) | 7.438 (188.9) | 10.000 (254) | 215.2 (6.10) |
| | | 2-1/2 | 12.000 (304.8) | 7.438 (188.9) | 10.000 (254) | 204.9 (5.81) |
|  | AA124SC | 1-1/4 | 8.750 (222.3) | 5.343 (135.7) | 7.355 (186.8) | 53.3 (1.51) |
| | | 1-1/2 | 8.750 (222.3) | 5.343 (135.7) | 7.355 (186.8) | 52.2 (1.48) |

Based on the largest/heaviest version of each type.

DIMENSIONS AND WEIGHTS

| Strainer | Model | Inlet Conn. (in.) | L in. (mm) | W in. (mm) | A in. (mm) | B in. (mm) | C in. (mm) | Net Weight oz. (kg) |
|---|----------|-------------------|----------------|---------------|--------------|----------------|----------------|---------------------|
|  | AA124ML | 3/4 | 7.953 (202) | 4.188 (106.4) | 1 (25.4) | 5.891 (149.6) | 7.453 (189.3) | 31.0 (0.88) |
| | | 1 | 7.953 (202) | 4.188 (106.4) | 1 (25.4) | 5.891 (149.6) | 7.453 (189.3) | 30.3 (0.86) |
| | | 1-1/4 | 9.688 (246.1) | 5.344 (135.7) | 1.5 (38.1) | 7.234 (183.7) | 9.156 (232.6) | 41.6 (1.18) |
| | | 1-1/2 | 9.688 (246.1) | 5.344 (135.7) | 1.5 (38.1) | 7.234 (183.7) | 9.156 (232.6) | 39.2 (1.11) |
| | | 2 | 14.480 (367.8) | 7.438 (188.9) | 2.375 (60.3) | 11.234 (285.3) | 13.855 (351.9) | 107.9 (3.06) |
| | | 2-1/2 | 14.480 (367.8) | 7.375 (188.9) | 2.375 (60.3) | 11.234 (285.3) | 13.855 (351.9) | 103.0 (3.06) |
|  | AA124ASC | 3/4 | 8.325 (211.5) | 4.188 (106.4) | – | 7.170 (182.1) | – | 52.5 (1.49) |
| | | 1 | 8.325 (211.5) | 4.188 (106.4) | – | 7.170 (182.1) | – | 50.4 (1.43) |

Based on the largest/heaviest version of each type.

MATERIAL

CODE

| | |
|-------------------------------------|---------|
| Aluminum | AL |
| Brass | B |
| Ductile Iron | No code |
| Nylon | NYB |
| Polypropylene | PP |
| Polypropylene head/clear nylon bowl | NYC |
| 303 stainless steel | SS |
| 316 stainless steel | 316SS |

ORDERING INFORMATION

TWD AND TWC STRAINERS

| | | | | | |
|--------------|-------|---|---------------|-----------|----------------------|
| Inlet Conn.* | Model | – | Material Code | Mesh Size | EXAMPLE |
| | | | | | 1/4 – TWD – SS – 100 |

AA124/AA430 SELF-CLEANING STRAINER

| | | | | | | | | |
|-------|---|--------------|-----------------|---|---------------|---|-----------|-------------------------------|
| Model | – | Inlet Conn.* | Self Cleaning** | – | Material Code | – | Mesh Size | EXAMPLE |
| | | | | | | | | AA124 – 1-1/4 – SC – NYB – 50 |

8310A STRAINER

| | | | | | |
|-------|---|--------------|---|-----------|-------------------|
| Model | – | Inlet Conn.* | – | Mesh Size | EXAMPLE |
| | | | | | 8310A – 3/8 – 100 |

*BSPT connections require the addition of a "B" prior to the inlet connection.

**Leave blank for standard version



**TANK CLEANING LANCES
FEATURES AND BENEFITS**

METALLIC/ WELDED SOLUTIONS

- Custom CIP lances/wands, dip tubes, tube manifolds, spray rings and more designed and fabricated to your exact requirements
- Materials of construction: 316L stainless steel, Hastelloy®, AL6XN® and other exotics
- Welders and weld/fabrication procedures BPVC Sect. IX compliant as required by the ASME® BPE

NON-METALLIC SOLUTIONS

- Non-metallic materials available upon request, including: Polypropylene, PVDF, PTFE and more
- Plastics and elastomers available with FDA or USP Class VI certificates
- GMP manufacturing procedures and fabrication

SPECIFICATIONS

| Model | Tank Cleaning Lances |
|----------------------------|---|
| Nozzles: | All TankJet® nozzles and spray balls |
| Connection: | Select NPT or BSPT connections, cam lock connections, raised face flanges or tri-clamp fittings |
| Pipe/tube size and length: | Custom |
| Materials: | Specify material for each component – stainless steel, PTFE, PVDF, brass, polypropylene |

ORDERING INFORMATION

Call your local spray expert for application assistance or to place an order.



Tank cleaning lance with TankJet 6353 nozzle for gentle rinsing



Tank cleaning lance with TankJet 63225 spray ball



Tank cleaning lance with unique constant speed TankJet D40159 for cleaning and rinsing

ADJUSTABLE FLANGES FOR TANK CLEANERS
FEATURES AND BENEFITS

- Maximize cleaning effectiveness by positioning nozzle turret to clean around obstructions or targeting skim lines or other areas requiring extra impact
 - Standard adjustable flanges allow positioning the nozzles at various depths along the length of the extension
 - Adjustable ball swivel flanges allow adjustment of the spray head by as much as 60°
- Choice of connections: tri-clamp fitting, three-prong flange, 150# flange connection

FLANGE OPTIONS



39205 Adjustable Sanitary Flange

- Choice of 2-1/2", 3", 4" or 6" tri-clamp fittings



22250 Three-Prong Adjustable Flange

- Can be used with TankJet AA090 and AA190 tank cleaners



46395 Raised Face Adjustable Flange

- Choice of 2", 3" or 4" 150# raised face flanges



43047 Ball Swivel Adjustable Flange

- Choose 4" or 6" 150# adjustable ball swivel flanges. 4" sanitary version also available

DIMENSIONS AND WEIGHTS

| Flange Type | Model | Flange Size | Length in. (mm) | Outside Diameter in. (mm) | Weight lbs (kg) |
|---|-------|-------------|-----------------|---------------------------|-----------------|
| Adjustable Sanitary Flange for Tanks with Tri-Clamp Fitting | 39205 | 2-1/2 | 4.75 (121) | 3 (76) | 2 (.9) |
| | 39205 | 3 | | 3.6 (91) | 2.1 (.95) |
| | 39205 | 4 | | 4.7 (119) | 2.5 (1.1) |
| | 39205 | 6 | | 6.6 (168) | 5.3 (2.4) |
| Adjustable Three-Prong Flange | 22250 | - | 4.06 (103) | 5 (127) | 2.8 (1.3) |
| Adjustable Flange for Tanks with 150# Connections | 46395 | 2 | 4.81 (122) | 6 (152) | 12 (5.4) |
| | 46395 | 3 | 4.94 (125) | 7.5 (191) | 12.9 (5.9) |
| | 46395 | 4 | 5 (127) | 9 (229) | 17.7 (8.0) |
| Ball Swivel Adjustable Flange | 43047 | 4 | 6.75 (172) | 9 (229) | 20 (9.1) |
| | 43047 | 6 | | 11 (279) | 30 (13.6) |

ORDERING INFORMATION

ADJUSTABLE FLANGES FOR TANK CLEANERS

| | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">Model</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">Flange Size*</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">Material Code</div> | <p>EXAMPLE</p> <div style="border: 1px dashed black; padding: 5px; display: inline-block; margin-right: 10px;">39205</div> - <div style="border: 1px dashed black; padding: 5px; display: inline-block; margin-right: 10px;">3</div> - <div style="border: 1px dashed black; padding: 5px; display: inline-block;">316SS</div> |
|---|--|

*Leave blank when ordering a Three-Prong Flange.

**ADAPTERS AND MOUNTING KITS
FEATURES AND BENEFITS**

- Adapters and kits come in many sizes and configurations to ensure the proper fit for various tanks and vessels
- A wide array of materials are available that can handle applications ranging from chemical to sanitary

ADAPTERS AND MOUNTING KIT OPTIONS



Manway Adapter

- Includes vent for vapor release, shield to prevent liquid from spraying into vent and removable plug that allows cone to be filled with liquid if additional weight is desired
- Tapered manway adapter enables drop-in-place installation of the TankJet 360 with tanker truck openings between 17" and 21" (432 and 533 mm); 304 stainless steel construction



Adapter for TankJet AA090 and AA190 Tank Cleaners

- Has a 6.25" OD, Celcon® construction with 304 stainless steel screws
- Chemically-resistant adapter enables any air or electric TankJet AA090 or AA190 tank cleaner to be used in tanks with inlet sizes ranging from 2" to 4"



Mounting Kit

- Includes everything you need – flange, lock washers, bolts and gasket
- Simplify mounting the standard TankJet AA090 or AA190 three-prong flange to a 4" 150# flange. Kit includes a 4" 316 stainless steel raised face flange, stainless steel lock washers, bolts and PTFE gasket

DIMENSIONS AND WEIGHTS

| Item | Model | Length in. (mm) | Outside Diameter in. (mm) | Weight lbs (kg) |
|--|-------|-----------------|---------------------------|-----------------|
| Tapered Manway with 1-1/2" NPT (M) Both Ends | 46573 | 46 (1,168) | 22 (559) | 75 (34) |
| Adapter | 45260 | 3.19 | 6.25 (159) | 1 (.45) |
| Mounting Kit | 39204 | .94 (24) | 9 (229) | 15 (6.8) |

ORDERING INFORMATION

ADAPTERS

| | | |
|---|---------|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">Model</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">Material Code</div> | EXAMPLE | <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">45260</div> - <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">CE</div> |
|---|---------|--|

MOUNTING KITS

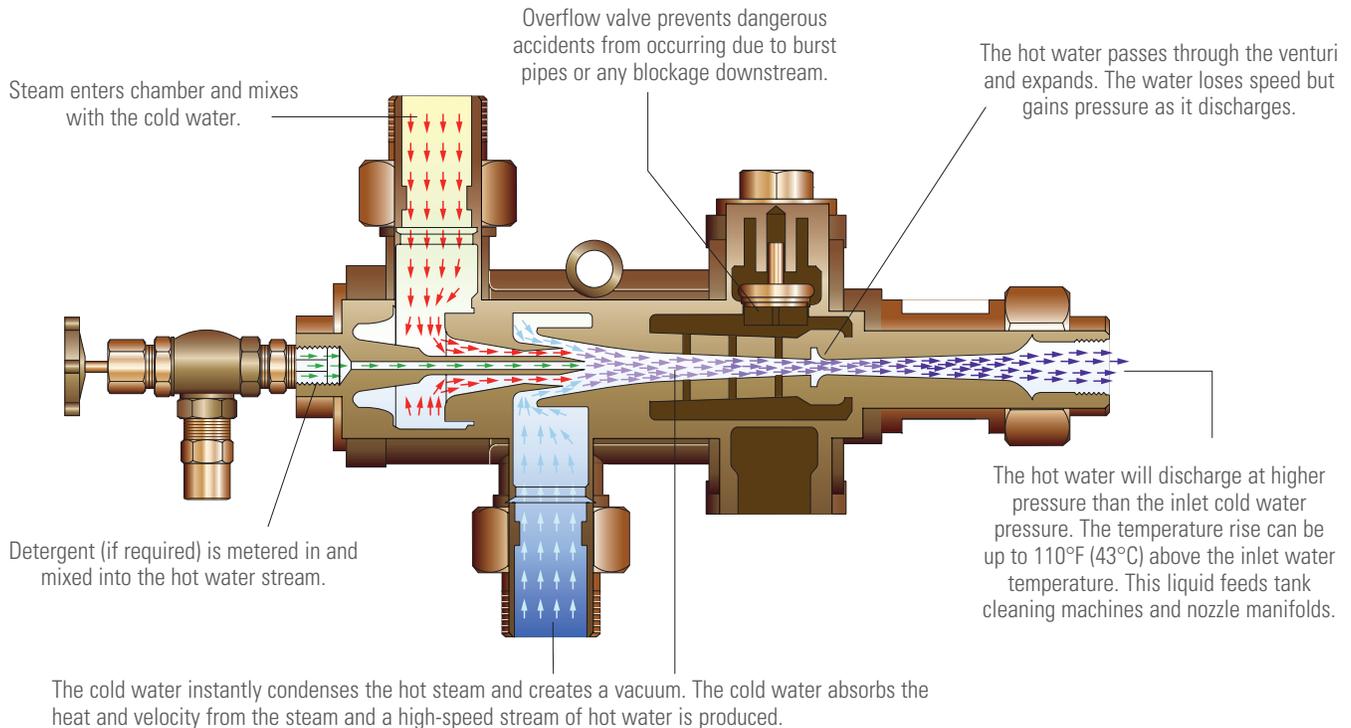
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|--|---------|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">Model</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">Flange Size</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">Material Code</div> | EXAMPLE | <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">39204</div> - <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">4</div> - <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">316SS</div> |
|--|---------|--|



TANKJET B & BX INJECTORS FEATURES AND BENEFITS

- Ideal feed device for tank cleaning machines and custom-designed nozzle manifolds
- Non-intrusive: suitable for use with cold, low-pressure city water and existing plant steam
- Produces a high-pressure, high-temperature liquid discharge stream
- Increased pressure provides higher impact for cleaning tough residues
- Higher temperature speeds cleaning by quickly breaking down soil
- Eliminates the need for expensive pumps and heat exchangers
- Built-in overflow valve ensures safe operation
- Provides chemical injection via a liquid control valve that siphons chemicals or detergents to maximize cleaning efficiency

HOW IT WORKS

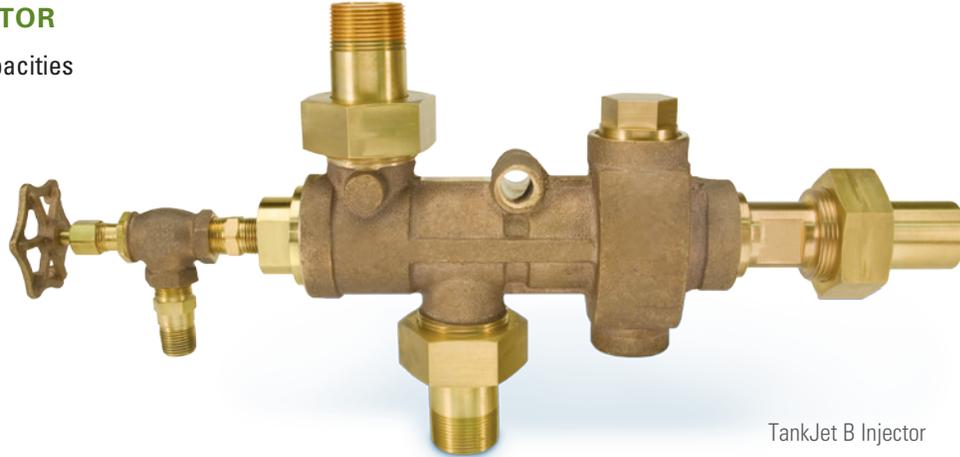


IDEAL FOR CLEANING:

- Personal care tanks
- Food vats
- Pharmaceutical vessels
- PTFE, latex, acrylic, polymer, paint and other chemical reactors

TANKJET B INJECTOR

For liquid discharge capacities up to 34 gpm (129 lpm)

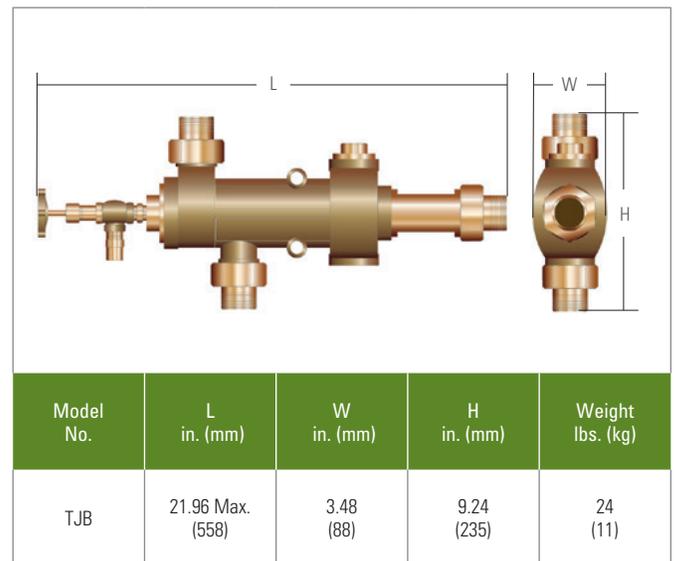


TankJet B Injector

SPECIFICATIONS

| Model | TankJet BX Injector |
|---|---|
| Inlet steam pressure range: | 50 to 150 psi (3.4 to 10.3 bar) |
| Steam capacity range: | 160 to 2000 lbs/hr (73 to 907 kgs/hr) |
| Liquid discharge capacities | 0 to 34 gpm (129 lpm) |
| Max. liquid discharge operating pressure: | 120 to 340 psi (8.3 to 23.4 bar) |
| Liquid discharge flow rate: | 4 to 34 gpm (15 to 128.7 lpm) |
| Max. liquid discharge temperature: | 180°F (82°C) |
| Materials: | Brass with 303SS detergent tube with EP O-ring |
| Inlet connection: | Steam: 1-1/4" NPT or BSPT (M); Water: 1-1/4" NPT or BSPT (M); Detergent: 1/2" NPT or BSPT (M) |
| Outlet connection: | Discharge: 3/4" NPT or BSPT (F); Overflow: 1" NPT (F) or BSPT (M) |

DIMENSIONS AND WEIGHTS



PERFORMANCE DATA

| Model | Injector No. | Steam Capacity lbs/hr (kg/hr) | Inlet Steam Pressure psi (bar) | | | | |
|---------------------------------------|--------------|-------------------------------|---|------------|------------|------------|------------|
| | | | 50 (3.4) | 75 (5.2) | 100 (6.9) | 125 (8.6) | 150 (10.3) |
| | | | Maximum Liquid Discharge Pressure psi (bar) | | | | |
| | | | 120 (8.3) | 170 (11.7) | 220 (15.2) | 280 (19.3) | 340 (23.4) |
| Liquid Discharge Capacity gpm (l/min) | | | | | | | |
| TJB-4 | 4 | 160 to 400 (73 to 182) | 4 (15.1) | 4.5 (17.0) | 5.5 (21) | 6 (23) | 6.5 (25) |
| TJB-7 | 7 | 280 to 700 (127 to 318) | 7 (26) | 8 (30) | 9 (34) | 10.5 (40) | 12 (45) |
| TJB-9 | 9 | 360 to 900 (163 to 408) | 9 (34) | 12 (45) | 13 (49) | 15 (57) | 16.5 (62) |
| TJB-15 | 15 | 700 to 1500 (318 to 680) | 15 (57) | 20 (76) | 24 (91) | 27 (102) | 29 (110) |
| TJB-20 | 20 | 800 to 2000 (363 to 907) | 20 (76) | 25 (95) | 29 (110) | 32 (121) | 34 (129) |

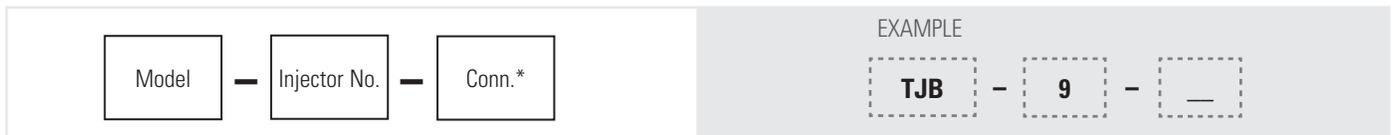


TANK CLEANING NOZZLES COMMONLY USED WITH TANKJET B INJECTOR

| TankJet Tank Cleaning Nozzle | Nozzle Type/Size | Compatible Injector Type | Injector Steam Inlet Pressure Range psi (bar) | Tank Cleaning Nozzles Operating Pressure Range psi (bar) | Tank Cleaning Nozzles Flow Rate Range gpm (l/min) | |
|------------------------------|------------------|--------------------------|---|--|---|----------------------|
| TJ14 | C | TJB-15 | 60 to 150 (4.1 to 10.3) | 50 to 150 (3.4 to 10.3) | 17 to 29 (64 to 110) | |
| | | TJB-20 | 50 to 150 (3.4 to 10.3) | 70 to 200 (4.8 to 13.8) | 20 to 34 (76 to 129) | |
| | G, H | TJB-15 | 55 to 150 (3.8 to 10.3) | 50 to 170 (3.4 to 11.7) | 16 to 29 (61 to 110) | |
| | | TJB-20 | 50 to 125 (3.4 to 8.6) | 80 to 200 (5.5 to 13.8) | 20 to 32 (76 to 121) | |
| | D | TJB-15 | 50 to 140 (3.4 to 9.7) | 60 to 200 (4.1 to 13.8) | 15 to 28 (57 to 106) | |
| | | TJB-20 | 50 to 90 (3.4 to 6.2) | 110 to 200 (7.6 to 13.8) | 20 to 28 (76 to 106) | |
| TJ19 | C | TJB-15 | 60 to 150 (4.1 to 10.3) | 50 to 190 (3.4 to 13.1) | 17 to 29 (64 to 110) | |
| | | TJB-20 | 50 to 110 (3.4 to 7.6) | 80 to 200 (5.5 to 13.8) | 20 to 30 (76 to 114) | |
| | D | TJB-15 | 50 to 150 (3.4 to 10.3) | 50 to 200 (3.4 to 13.8) | 15 to 29 (57 to 110) | |
| | | TJB-20 | 50 to 100 (3.4 to 6.9) | 90 to 200 (6.2 to 13.8) | 20 to 29 (76 to 110) | |
| | G | TJB-9 | 75 to 150 (5.2 to 10.3) | 50 to 90 (3.4 to 6.2) | 12 to 16.5 (45 to 62) | |
| | | TJB-15 | 50 to 120 (3.4 to 8.3) | 80 to 200 (5.5 to 13.8) | 15 to 26 (57 to 98) | |
| | | TJB-20 | 50 to 85 (3.4 to 5.9) | 130 to 200 (9.0 to 13.8) | 20 to 26 (76 to 98) | |
| | H | TJB-9 | 60 to 150 (4.1 to 10.3) | 50 to 100 (3.4 to 6.9) | 10 to 16.5 (38 to 62) | |
| | | TJB-15 | 50 to 100 (3.4 to 6.9) | 90 to 200 (6.2 to 13.8) | 15 to 24 (57 to 91) | |
| | | TJB-20 | 50 to 70 (3.4 to 4.8) | 150 to 200 (10.3 to 13.8) | 20 to 24 (76 to 91) | |
| | TJ75-1861 | 172 | TJB-15 | 110 to 150 (7.6 to 10.3) | 150 to 210 (10.3 to 14.5) | 25 to 29 (95 to 110) |
| | | | TJB-20 | 75 to 150 (5.2 to 10.3) | 150 to 280 (10.3 to 19.3) | 25 to 35 (95 to 132) |
| 172LP | | TJB-9 | 75 to 150 (5.2 to 10.3) | 50 to 90 (3.4 to 6.2) | 12 to 16.5 (45 to 62) | |
| | | TJB-15 | 50 to 85 (3.4 to 5.9) | 80 to 150 (5.5 to 10.3) | 15 to 21 (57 to 79) | |
| 125 | | TJB-15 | 55 to 95 (3.8 to 6.6) | 150 to 300 (10.3 to 20.7) | 16 to 23 (61 to 87) | |
| 125LP | | TJB-7 | 100 to 150 (6.9 to 10.3) | 50 to 100 (3.4 to 6.9) | 9 to 12 (34 to 45) | |
| | | TJB-9 | 50 to 125 (3.4 to 8.6) | 50 to 140 (3.4 to 9.7) | 9 to 15 (34 to 57) | |

ORDERING INFORMATION

TANKJET B INJECTOR



*Add B for BSPT connections. If NPT connection, leave blank.



TANKJET BX INJECTOR

For liquid discharge capacities up to 110 gpm (416 lpm)



TankJet BX Injector

SPECIFICATIONS

| Model | TankJet BX Injector |
|---|---|
| Inlet steam pressure range: | 50 to 150 psi (3.4 to 10.3 bar) |
| Steam capacity range: | 1000 to 6000 lbs/hr (454 to 2722 kgs/hr) |
| Max. liquid discharge operating pressure: | 120 to 340 psi (8.3 to 23.4 bar) |
| Liquid discharge flow rate: | 30 to 110 gpm (114 to 416 lpm) |
| Max. liquid discharge temperature: | 180°F (82°C) |
| Materials: | Brass with 303SS detergent tube with EP O-ring |
| Inlet connection: | Steam: 1-1/2" NPT or BSPT (M); Water: 1-1/2" NPT or BSPT (M); Detergent: 1/2" NPT or BSPT (M) |
| Outlet connection: | Discharge: 1-1/2" NPT or BSPT (M); Overflow: 2" NPT (F) or BSPT (M) |

DIMENSIONS AND WEIGHTS

| Model No. | L in. (mm) | W in. (mm) | H in. (mm) | Weight lbs. (kg) |
|-----------|------------|------------|------------|------------------|
| TJ BX | 27.3 (693) | 4.41 (112) | 11 (279) | 48 (22) |

PERFORMANCE DATA

| Model | Injector No. | Steam Capacity lbs/hr (kg/hr) | Inlet Steam Pressure psi (bar) | | | | |
|-------------------------------------|--------------|-------------------------------|---|------------|------------|------------|------------|
| | | | 50 (3.4) | 75 (5.2) | 100 (6.9) | 125 (8.6) | 150 (10.3) |
| | | | Maximum Liquid Discharge Pressure psi (bar) | | | | |
| | | | 120 (8.3) | 170 (11.7) | 220 (15.2) | 280 (19.3) | 340 (23.4) |
| Liquid Discharge Capacity gpm (lpm) | | | | | | | |
| TJ BX | 30 | 1000 to 3000 (454 to 1361) | 30 (114) | 35 (132) | 45 (170) | 50 (189) | 55 (208) |
| | 50 | 1700 to 4500 (771 to 2041) | 50 (189) | 60 (227) | 70 (265) | 75 (284) | 80 (303) |
| | 70 | 2500 to 6000 (1134 to 2722) | 70 (265) | 80 (303) | 90 (341) | 100 (379) | 110 (416) |

TANK CLEANING NOZZLES COMMONLY USED WITH TANKJET BX INJECTOR

| TankJet Tank Cleaning Nozzles | Nozzle Type/Size in (mm) | Compatible Injector Type | Injector Steam Inlet Pressure psi (bar) | Nozzles Operating Pressure psi (bar) | Nozzles Flow Rate gpm (lpm) |
|-------------------------------|--------------------------|--------------------------|---|--------------------------------------|-----------------------------|
| TJ16 | C, D, G | TJBX30 | 100 to 150 (6.9 to 10.3) | 60 to 100 (4.1 to 6.9) | 45 to 55 (170 to 208) |
| | | TJBX50 | 50 to 150 (3.4 to 10.3) | 80 to 200 (5.5 to 13.8) | 50 to 80 (189 to 303) |
| | H | TJBX30 | 75 to 150 (5.2 to 10.3) | 50 to 110 (3.4 to 7.6) | 35 to 55 (132 to 208) |
| | | TJBX50 | 50 to 125 (3.4 to 8.6) | 95 to 200 (6.6 to 13.8) | 50 to 75 (3.4 to 5.2) |
| TJ65 | 1/4 (6.4) | TJBX30 | 50 to 150 (3.4 to 10.3) | 50 to 120 (3.4 to 8.3) | 30 to 55 (114 to 208) |
| | | TJBX50 | 50 to 75 (3.4 to 5.2) | 105 to 140 (7.2 to 9.7) | 50 to 60 (189 to 227) |
| | 5/16 (7.9) | TJBX50 | 75 to 150 (5.2 to 10.3) | 70 to 115 (4.8 to 7.9) | 60 to 80 (227 to 303) |
| | | TJBX70 | 50 to 100 (3.4 to 6.9) | 90 to 150 (6.2 to 10.3) | 70 to 90 (265 to 341) |
| | 3/8 (9.5) | TJBX50 | 75 to 150 (5.2 to 10.3) | 55 to 95 (3.8 to 6.6) | 60 to 80 (227 to 303) |
| | | TJBX70 | 50 to 125 (3.4 to 8.6) | 75 to 150 (5.2 to 10.3) | 70 to 100 (265 to 379) |
| TJ65-HT | 1/4 (6.4) | TJBX70 | 50 to 150 (3.4 to 10.3) | 58 to 135 (4.0 to 9.3) | 70 to 110 (265 to 416) |
| | 5/16 (7.9) | TJBX70 | 50 to 150 (3.4 to 10.3) | 55 to 115 (3.8 to 7.9) | 70 to 110 (265 to 416) |
| | 3/8 (9.5) | TJBX70 | 100 to 150 (6.9 to 10.3) | 55 to 75 (3.8 to 5.2) | 90 to 110 (341 to 416) |
| TJ80-2 | 3/8 (9.5) | TJBX50 | 50 to 150 (3.4 to 10.3) | 50 to 130 (3.4 to 9.0) | 50 to 80 (189 to 303) |
| | | TJBX70 | 50 to 90 (3.4 to 6.2) | 102 to 150 (7.0 to 10.3) | 70 to 85 (265 to 322) |
| | 7/16 (11.1) | TJBX50 | 90 to 150 (6.2 to 10.3) | 65 to 105 (4.5 to 7.2) | 65 to 80 (246 to 303) |
| | | TJBX70 | 50 to 115 (3.4 to 7.9) | 80 to 150 (5.5 to 10.3) | 70 to 95 (265 to 360) |
| TJ80-3 | 5/16 (7.9) | TJBX50 | 75 to 150 (5.2 to 10.3) | 60 to 125 (4.1 to 8.6) | 60 to 80 (227 to 303) |
| | | TJBX70 | 50 to 100 (3.4 to 6.9) | 95 to 150 (6.6 to 10.3) | 70 to 90 (265 to 341) |
| | 3/8 (9.5) | TJBX70 | 115 to 150 (7.9 to 10.3) | 68 to 110 (4.7 to 7.6) | 95 to 110 (360 to 416) |
| TJ360-2 | 1/4 (6.4) | TJBX30 | 50 to 150 (3.4 to 10.3) | 40 to 150 (2.8 to 10.3) | 30 to 55 (114 to 208) |
| | | TJBX50 | 50 to 150 (3.4 to 10.3) | 120 to 340 (8.3 to 23.4) | 50 to 80 (189 to 303) |
| | 9/32 (7.1) | TJBX30 | 75 to 150 (5.2 to 10.3) | 40 to 110 (2.8 to 7.6) | 35 to 55 (132 to 208) |
| | | TJBX50 | 50 to 150 (3.4 to 10.3) | 80 to 220 (5.5 to 15.2) | 50 to 80 (189 to 303) |
| | | TJBX70 | 50 to 125 (3.4 to 8.6) | 170 to 350 (11.7 to 24.1) | 70 to 100 (265 to 379) |
| | 5/16 (7.9) | TJBX30 | 115 to 150 (7.9 to 10.3) | 40 to 55 (2.8 to 3.8) | 40 to 75 (151 to 284) |
| | | TJBX50 | 50 to 150 (3.4 to 10.3) | 60 to 155 (4.1 to 10.7) | 50 to 80 (189 to 303) |
| | | TJBX70 | 50 to 150 (3.4 to 10.3) | 120 to 290 (8.3 to 20.0) | 70 to 110 (265 to 416) |
| | 3/8 (9.5) | TJBX50 | 60 to 150 (4.1 to 10.3) | 40 to 90 (2.8 to 6.2) | 55 to 80 (208 to 303) |
| | | TJBX70 | 50 to 150 (3.4 to 10.3) | 70 to 165 (4.8 to 11.4) | 70 to 110 (265 to 416) |
| | 7/16 (11.1) | TJBX70 | 50 to 150 (3.4 to 10.3) | 45 to 105 (3.1 to 7.2) | 70 to 110 (265 to 416) |
| | 1/2 (12.7) | TJBX70 | 75 to 150 (5.2 to 10.3) | 40 to 75 (2.8 to 5.2) | 80 to 110 (303 to 416) |
| | 9/16 (14.3) | TJBX70 | 90 to 150 (6.2 to 10.3) | 40 to 55 (2.8 to 3.8) | 90 to 110 (341 to 416) |
| TJ360-3 | 1/4 (6.4) | TJBX30 | 90 to 150 (6.2 to 10.3) | 40 to 72 (2.8 to 5.0) | 40 to 55 (151 to 208) |
| | | TJBX50 | 50 to 150 (3.4 to 10.3) | 60 to 155 (4.1 to 10.7) | 50 to 80 (189 to 303) |
| | | TJBX70 | 50 to 150 (3.4 to 10.3) | 120 to 290 (8.3 to 20.0) | 70 to 110 (265 to 416) |
| | 9/32 (7.1) | TJBX50 | 50 to 150 (3.4 to 10.3) | 40 to 110 (2.8 to 7.6) | 50 to 80 (189 to 303) |
| | | TJBX70 | 50 to 150 (3.4 to 10.3) | 80 to 205 (5.5 to 14.1) | 70 to 110 (265 to 416) |
| | 5/16 (7.9) | TJBX50 | 65 to 150 (4.5 to 10.3) | 40 to 80 (2.8 to 5.5) | 55 to 80 (208 to 303) |
| | | TJBX70 | 50 to 150 (3.4 to 10.3) | 60 to 150 (4.1 to 10.3) | 70 to 110 (265 to 416) |
| | 3/8 (9.5) | TJBX70 | 50 to 150 (3.4 to 10.3) | 40 to 90 (2.8 to 6.2) | 70 to 110 (265 to 416) |
| | 7/16 (11.1) | TJBX70 | 100 to 150 (6.9 to 10.3) | 40 to 60 (2.8 to 4.1) | 90 to 110 (341 to 416) |

ORDERING INFORMATION

TANKJET BX INJECTOR



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