



NAVY EDITION



Innovative Solutions
For Surface Preparation Problems



The Descobrader offers the same applications as the Mini-Flushplate and FX Tool in a convenient walk-behind model. Features include:

- *Versatile* – Interchangeable hubs, electric or air power, adjustable cutting height
- *Ergonomic* – Low vibration design; operated from a standing position, less fatigue
- *Durable* – Rugged, powerful, reduced maintenance costs

Applications

- Non-skid removal
- Mill scale removal
- Rust removal
- Weld preparation
- Surface profiling
- Coating removal

Descobrader Configurations

| Pneumatic | Electric |
|---|--|
|  <p>120.113</p> |  <p>120.123</p> |

Interchangeable Hubs

| Cutter, Kung-Fu Stars | Cutter, Heavy Duty | BPH |
|---|--|--|
|  <p>120.026 – Very aggressive with a clean cut. Use on concrete or steel.</p> |  <p>120.024 – Excellent for non-skid removal or other stubborn coatings.</p> |  <p>120.021 – a pliant conditioning abrasive that excels at cleaning pitted steel.</p> |

Consumables

| Description | Unit | Case of 1,000 |
|-------------------------|---------|---------------|
| Cutter, Kung-Fu star | 800.983 | 9800.983 |
| Cutter, Heavy Duty | 800.058 | 9800.058 |
| Pin, Heavy Duty | 120.055 | |
| BPH wheel (replacement) | 170.023 | |
| Timing Belt | 550.402 | |

Specifications

| Item | Pneumatic | Electric |
|----------------------|----------------|---------------------|
| Cutting swath | 5.25" | 5.25" |
| Weight (lbs, no hub) | 100 | 104 |
| Speed (rpm, no load) | 1,750 | 1,750 |
| Power Required | 90psi @ 125cfm | 440v – 3 phase – 8a |



Desco's Scarifiers support multiple interchangeable abrasive heads and are some of the most versatile tools available today. They comply with OSHA regulation for hazardous coating removal.

- *Versatile* – Interchangeable hubs, hand-held or walk-behind, electric or air.
- *Productive* – Superior design saves time, reduces cost, and completes jobs faster.
- *Efficient* – Easy to operate, adaptable, dust containment available.

Applications

- Non-skid removal
- Mill scale removal
- Rust removal
- Weld preparation
- Surface profiling
- Coating removal

Configurations — All listed come with reloadable cutter hub.

| Mini-Flushplate | FX Tool | Stand-up FX | Stand-up FX |
|---|---|--|---|
|  |  |  |  |
| 100.218 | 110.2133 | 110.214 | 110.2243 |

Interchangeable Hubs



Cutters are used to remove heavy coatings including epoxy and elastomeric type coatings, mastic removal, non-skid removal, as well as concrete scarification.



Roto-Hammers are very effective in removing fracturable coatings. Due to their design, they are also ideal for removing coatings from irregular surfaces or protruding objects.



Roto-Peen Flaps are used to remove fracturable coating up to a 20 mil thickness. Roto-Peen provides a shotblast type profile and meets the 1 to 3 mil profile specified by SSPC SP-11.

Consumables and Accessories

| | Mini-Flushplate | FX Tool | SUFX - Air | SUFX - Elect |
|---------------------------|-----------------|----------|------------|--------------|
| Hub, cutter, welded | 100.008 | 110.027 | n/a | n/a |
| Hub, cutter, reloadable | 100.054 | 110.032 | 110.032.2 | 110.032.2 |
| Hub, roto-hammer | 100.002 | 110.022 | 110.022 | 110.022 |
| Hub, roto-peen, w/flaps | 100.069 | 110.054 | n/a | n/a |
| Reload kit, cutter hub | 100.060 | 110.033 | 110.033 | 110.033 |
| Reload kit, roto-peen | 100.019 | 110.006 | n/a | n/a |
| Cutter, (each) | 800.533 | 800.600 | 800.600 | 800.600 |
| Cutter, (case 1,000) | 9800.533 | 9800.600 | 9800.600 | 9800.600 |
| Brush set | 100.001 | 110.001 | 110.001 | 110.001 |
| Oiler complete, whip assy | 500.008 | 500.008 | 500.008 | n/a |
| Oiler, replacement filter | 500.062 | 500.062 | 500.062 | n/a |

Specifications

| | Mini-Flushplate | FX Tool | SUFX - Air | SUFX - Elect |
|-------------------------------------|------------------|--------------------|--------------------|--------------------|
| Cutting swath | 2.25" | 4.25" | 4.25" | 4.25" |
| Weight (lbs) Tool/cutter-hub | 7.00/5.00 | 11.10/11.75 | 35.00/11.80 | 42.40/11.80 |
| Speed (rpm, no load) | 3,200 | 4,500 | 5,500 | 6,000 |
| Power Required | 90psi @ 18cfm | 85psi @ 39cfm | 85psi @ 39cfm | 110v – 15a |



Die Grinders

The mini die grinder is designed as a detail tool to clean hard to reach areas. Any place you can put your fist into the mini die grinder can clean.

- *Nimble* – Compact, easily fits tight spaces.
- *Powerful* – Amazing performance from a small package.



Applications

- Coating removal
- Rust removal
- Grinding

Models

| Hand-Held | Ex Reach, 5' Handle | Ex Reach, 2' Handle |
|---|--|----------------------------------|
|  |  | |
| 2" – 141.001.2 3" – 141.001.3 | 2" – 180.192 3" – 180.193 | 2" – 180.192.2 3" – 180.193.2 |

Consumables

| Part | Description | Part | Description |
|---------------------------------|--------------------------------|--------------|--|
| Unit Package | | Case Package | |
| 2" Conditioning Discs | | | |
| 810.225 | 2" Super coarse disc | 9810.225 | 2" Super coarse disc (100/case) |
| 810.224 | 2" Coarse disc | 9810.224 | 2" Coarse disc (100/case) |
| 810.223 | 2" Medium disc | 9810.223 | 2" Medium disc (100/case) |
| 810.226 | 2" Clean & strip, black (BPH) | 9810.226 | 2" Clean & strip, black (BPH) (10/case) |
| 820.0227 | 2" Clean & strip, purple (BPH) | 9820.0227 | 2" Clean & strip, purple (BPH) (60/case) |
| 2" Coated Abrasive Discs | | | |
| 815.224 | 2" 24 grit | 9815.224 | 2" 24 grit (100/case) |
| 815.236 | 2" 36 grit | 9815.236 | 2" 36 grit (100/case) |
| 815.250 | 2" 50 grit | 9815.250 | 2" 50 grit (100/case) |
| 815.280 | 2" 80 grit | 9815.280 | 2" 80 grit (100/case) |
| 3" Conditioning Discs | | | |
| 810.325 | 3" Super coarse disc | 9810.325 | 3" Super coarse disc (50/case) |
| 810.324 | 3" Coarse disc | 9810.324 | 3" Coarse disc (50/case) |
| 810.323 | 3" Medium disc | 9810.323 | 3" Medium disc (50/case) |
| 810.326 | 3" Clean & strip, black (BPH) | 9810.326 | 3" Clean & strip, black (BPH) (10/case) |
| 820.0327 | 3" Clean & strip, purple (BPH) | 9820.0327 | 3" Clean & strip, purple (BPH) (40/case) |
| 3" Coated Abrasive Discs | | | |
| 815.324 | 3" 24 grit | 9815.324 | 3" 24 grit (100/case) |
| 815.336 | 3" 36 grit | 9815.336 | 3" 36 grit (100/case) |
| 815.350 | 3" 50 grit | 9815.350 | 3" 50 grit (100/case) |
| 815.380 | 3" 80 grit | 9815.380 | 3" 80 grit (100/case) |
| Backup Pads | | | |
| 825.1315 | 2" Backup Pad, ROLOC | | |
| 825.1318 | 3" Backup Pad, ROLOC | | |

Specifications

| | Hand, 2" | Hand, 3" | Ex 5, 2" | Ex 5, 3" | Ex 2, 2" | Ex 2, 3" |
|----------------------|---------------|----------|----------|----------|----------|----------|
| Weight (lbs) | 2.5 | 3.0 | 5.25 | 5.30 | 4.50 | 4.55 |
| Length (inches) | 6.0 | 7.0 | 61.0 | 61.0 | 36.5 | 36.5 |
| Speed (rpm, no load) | 12,000 | | | | | |
| Air required | 90psi @ 14cfm | | | | | |



Desco sanders are heavy duty, light weight and high in productivity. The compact size, combined with ample power, makes these sanders a good choice for a wide variety of jobs.

- Versatile, compact, lightweight and powerful!
- Durable, rugged design, long lasting.
- NAVSEA required double safety lock-off lever.

Applications

- Coating removal
- Mill scale removal
- Rust removal
- Weld preparation



Models

| 4.5" Sander | 4.5" Sander | 7" Sander |
|--|---|--|
| | | |
| 150.119 with Center-nut Backup Pad for Coated Abrasives | 150.115 without Backup Pad for Desco BPH | 151.119 with Center-nut Backup Pad for Coated Abrasives |

Consumables & Accessories

| Part | Description |
|-------------------------|---|
| 4.5" Consumables | |
| 9815.9424 | 4.5" x 7/8" / 24 Grit Center hole discs (25 per case) |
| 9815.9436 | 4.5" x 7/8" / 36 Grit Center hole discs (25 per case) |
| 9815.9450 | 4.5" x 7/8" / 50 Grit Center hole discs (25 per case) |
| 9815.9480 | 4.5" x 7/8" / 80 Grit Center hole discs (25 per case) |
| 9810.951 | 4.5" DESCO BPH, 5/8"-11, No BUP Req (40 per case) |
| 820.33054 | 4.5" Bristle, 36 grit, 5/8"-11, No BUP Req (10 Min order) |
| 200.425 | 4.5" Rubber Back-up pad for Coated Abrasive and Rip discs |
| 7" Consumables | |
| 9815.7424 | 7" x 7/8", 24 Grit discs, Center hole discs (25 per case) |
| 9815.7436 | 7" x 7/8", 36 Grit discs, Center hole discs (25 per case) |
| 9815.7450 | 7" x 7/8", 50 Grit discs, Center hole discs (25 per case) |
| 9815.7460 | 7" x 7/8", 60 Grit discs, Center hole discs (25 per case) |
| 9815.7480 | 7" x 7/8", 80 Grit discs, Center hole discs (25 per case) |
| 9200.017 | 7" x 7/8", 16 Grit DescorIP Disc, (50 per case) |
| 200.016 | 7" Rubber Back-up pad for the DescorIP Disc |
| Accessories | |
| 500.071 | 2" center nut |
| 500.222 | Center nut wrench |

Specifications

| | 4.5" Sander | 7" Sander |
|----------------------|----------------|----------------|
| Weight (lbs) | 4.0 | 4.6 |
| Length (inches) | 9.0 | 12.5 |
| Air required | 90psi @ 18 cfm | 90psi @ 18 cfm |
| Speed (rpm, no load) | 11,000 | 4,500 |



Needle Scalers

Desco's Needle Scalers are designed with the following in mind: productivity, ergonomics and most importantly, durability.

- *Productivity* – Lots of needles and lots of beats per minute translate to lots of work getting done.
- *Ergonomics* – Low vibration and light weight minimize operator fatigue.
- *Durability* – Rugged metal construction.

Applications

- Coating removal
- Non-skid removal
- Rust removal
- Surface profiling

Models

| 18 Needle Scaler | 19-S Needle Scaler | 19-C Chipping Gun | 40 Hand Held | 40EX Extended Reach |
|---|--|--|---|--|
|  |  |  |  |  |
| 130.118 | 130.119 | 130.419 | 130.049 | 180.0140 |

Consumables

| Part | Description |
|------------------------|--|
| 5" - Flat Point | |
| 130.019 | Needle, 3mm x 5", flat point |
| 130.019.2 | Needle, 3mm x 5", flat pt (200 pack) |
| 9130.019 | Needle, 3mm x 5", flat pt (1,000 pack) |
| 7" - Flat Point | |
| 130.024 | Needle, 3mm x 7", flat point |
| 130.024.2 | Needle, 3mm x 7", flat pt (200 pack) |
| 9130.024 | Needle, 3mm x 7", flat pt (1,000 pack) |
| Needle Holders | |
| 550.991104 | Needle holder, Model 18 |
| 130.066 | Needle holder, Model 19 |
| 130.056 | Needle holder, Model 40 |
| 550.990 | Repair kit, Model 40 |

| Part | Description |
|----------------------------------|--|
| 5" - Chisel Point | |
| 130.017 | Needle, 3mm x 5", chisel point |
| 130.017.2 | Needle, 3mm x 5", chisel pt (200 pack) |
| 9130.017 | Needle, 3mm x 5", chisel pt (1,000 pack) |
| 7" - Chisel Point | |
| 130.026 | Needle, 3mm x 7", chisel point |
| 130.026.2 | Needle, 3mm x 7", chisel pt (200 pack) |
| 9130.026 | Needle, 3mm x 7", chisel pt (1,000 pack) |
| Chisels (Model 19-C Only) | |
| 130.016 | Chisel, 7", straight |
| 130.030 | Chisel, 7", angle |
| 130.01612 | Chisel, 12", straight |
| 130.01712 | Chisel, 12", angle |

Specifications

| | 18 | 19-S | 19-C | 40 | 40EX |
|-----------------------|---------------|---------------|---------------|---------------|---------------|
| Needles, size (count) | 3mm x 5" (18) | 3mm x 7" (19) | -- | 3mm x 7" (28) | 3mm x 7" (28) |
| Weight (lbs) | 3.6 | 6.25 | 6.25 | 7.9 | 13.0 |
| Length (inches) | 7.7 | 18.75 | 18.75 | 11.88 | 55.0 |
| Stroke/Beats (BPM) | .625" / 7,000 | 1.25" / 4,000 | 1.25" / 4,000 | .88" / 3,400 | .88" / 3,400 |
| Air required | 90psi @ 6cfm | 90psi @ 12cfm | 90psi @ 12cfm | 90psi @ 3cfm | 90psi @ 3cfm |



Desco specialty tools excel at jobs where other tools do not. That is the key to productivity and a great reason to choose the right Desco tool for the job.

Applications

- **BPH VersaTool** – Remove coatings, rust, corrosion
- **Tile Stripper** – Remove tile, rust scale
- **Scabblers** – Remove heavy scale and thick coatings

Models

| BPH VersaTool | Tile Stripper | Scabblers |
|---|---|---|
|  |  |  |
| 170.181 | 180.030 | 180.0470 – Single Head 180.047 – Triple Head |

Specialty Tools

Consumables & Accessories

| Part | Description |
|----------------------|--|
| BPH VersaTool | |
| 170.014 | BPH Wheel, 1.25" x 7" |
| 9170.014 | BPH Wheel, 1.25" x 7" (25/case) |
| Tile Stripper | |
| 180.023 | Scraper blade, 4" (Yoke required) |
| 180.026 | Scraper blade, 8" (Yoke required) |
| 180.007 | Chisel, 4" |
| 180.027 | Scraper blade, 12" (Yoke required) |
| 180.033 | Yoke 5/8" scraper hex shank w/attachment |
| Scabblers | |
| 180.088 | Valve Body |
| 180.066 | Piston |

Specifications

| | BPH VersaTool | Tile Stripper | Scabblers |
|-----------------|----------------|---------------|----------------|
| Weight (lbs) | 5.5 | 14.1 | 8.2 |
| Length | 11.0" | 5.0' | 22.0" |
| Air required | 90psi @ 20 cfm | 90psi @ 5 cfm | 90psi @ 22 cfm |
| Speed (no load) | 3,200 rpm | 2,200 bpm | 5,200 bpm |



Vacuums

Desco's industrial grade vacuums are designed to provide superior performance in a durable package.

- *Rugged* – All steel construction
- *Reliable* – Pneumatic vacuums have virtually no moving parts to wear out
- *Safety* – **FLIGHT DECK APPROVED** – No bearings – No FOD Hazard.

Applications

- Pad-eye clean out
- Liquid removal
- Debris removal

Models

| 6 Gallon Backpack | 6 Gallon Canister | 15 Gallon Pad-Eye | 30 Gallon Pad-Eye | 55 Gallon Pad-Eye |
|---|---|---|--|---|
|  |  |  |  |  |
| 340.002 – Pneumatic 340.003 – Electric | 340.70506.01 | 340.970515.01 <i>Flight Deck Approved</i> | 340.970530.01 | 340.970555.01 |

Consumables

| Item | 6 Gallon | 15 Gallon | 30 Gallon | 55 Gallon |
|--------------------------|---------------|---------------|---------------|---------------|
| Collection bag (10pk) | 340.384003PKG | 340.760598PKG | -- | -- |
| Drum liner | -- | -- | 340.805037 | 340.805046 |
| Filter protector (12 pk) | 340.761177PKG | 340.805038PKG | 340.805038PKG | 340.805038PKG |
| Cloth bag (gray) | 340.805041 | 340.805058 | 340.805058 | 340.805058 |
| Pre-filter sleeve (6 pk) | 340.110030PKG | 340.110030PKG | 340.110030PKG | 340.110030PKG |
| ULPA filter | 340.110029 | 340.110029 | 340.110029 | 340.110029 |

Accessories

| Part | Description |
|--------------|---|
| 300.082 | Vacuum hose 1.5" x 10', replacement, complete |
| 340.000001 | Vacuum hose 1.5" x 25', replacement, complete |
| 300.039 | Vacuum hose 1.5" x 25', extension, coupler required |
| 340.390014 | Inlet coupler, 1.5", w/swivel cuff |
| 300.066 | Hose cuff, 1.5" |
| 300.303.2 | Extraction tube and nozzle, for Pad-eye vacuum |
| 340.490024.1 | Tool kit, plastic, 7 piece |
| 340.490025.1 | Tool kit, aluminum, 11 piece |

Specifications

| | Backpack | 6 Gallon | 15 Gallon | 30 Gallon | 55 Gallon |
|-------------------------|--|---|--|--|---|
| Part #, Pad-eye/Wet-dry | -- | 340.70506.01 | 340.970515.01 | 340.970530.01 | 340.970555.01 |
| Part #, Dry Only/ULPA | 340.002 | 340.87506.01 | 340.87530.01 | 340.87530.01 | 340.87555.01 |
| Weight (lbs) | 3.6 | 27.0 | 51.0 | 98.0 | 122.0 |
| Capacity, dry | 46ft ³ (.01m ³) | .46ft ³ (.01m ³) | 1.86ft ³ (.05m ³) | 3.72ft ³ (.10m ³) | 7.164ft ³ (.20m ³) |
| Capacity, wet | -- | 3.5 Gal (13ltr.) | 10.0 Gal (38ltr.) | 20.0 Gal (76ltr.) | 45 Gal (170ltr.) |
| Input air required | 100psi @ 37cfm | 100psi @ 42cfm | 100psi @ 42cfm | 100psi @ 42cfm | 100psi @ 46cfm |
| Output vacuum airflow | 166 cfm | 166 cfm | 166 cfm | 166 cfm | 182 cfm |



Air Hoses and Accessories



1/2" Air Hose
500.117



3/4" Air Hose
500.118

Crowsfoot to QD Adapter



End Size 1/2" Part No. 500.120

"Wonder Wand" Blow-Down Tool

180.160



Quick Connect Fittings

1/2" Hanson Type Industrial Quick-Connect Fittings

Body Plugs

| End Size | Part No. |
|----------|----------|
| 1/4" | 500.162 |
| 3/8" | 500.163 |
| 1/2" | 500.164 |

Male NPT

Body Sockets

| End Size | Part No. |
|----------|----------|
| 1/4" | 500.171 |
| 3/8" | 500.172 |
| 1/2" | 500.173 |

Male NPT

| End Size | Part No. |
|----------|----------|
| 1/4" | 500.165 |
| 3/8" | 500.166 |
| 1/2" | 500.167 |

Female NPT

| End Size | Part No. |
|----------|----------|
| 3/8" | 500.174 |
| 1/2" | 500.175 |
| 3/4" | 500.176 |

Female NPT

| End Size | Part No. |
|----------|----------|
| 3/8" | 500.168 |
| 1/2" | 500.169 |
| 3/4" | 500.170 |

Hose Shank

| End Size | Part No. |
|----------|----------|
| 3/8" | 500.177 |
| 1/2" | 500.178 |
| 3/4" | 500.179 |

Hose Shank

Frequently Used Brass Fittings

- 500.173.2 1/2" x 1/2" Body Socket, Male NPT, Brass
- 500.175.2 1/2" x 3/8" Body Socket, Female NPT, Brass



Actual Size
Flow Rating:
150 cfm @ 100psi

Air Supply Flow Diagram



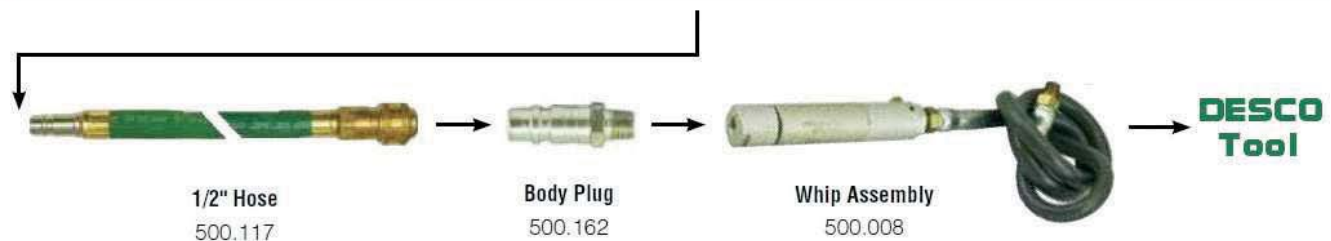
Air Manifold Options

Y-Gate
500.142

3-Way Manifold
500.540

6-way Manifold
500.151

7-way Manifold
500.151.75 - w/Quick-Connect fitting
500.151.7 - w/Crowsfoot fitting



Paint Sprayer Models

| 440 Series | 640 Series | 740 Series |
|---|---|---|
|  |  |  |
| 460.004 | 460.005 | 460.006 |



Specifications

| Item | 440 Series | 640 Series | 740 Series |
|-------------------|--------------------------------|----------------------|---------------------|
| Tip size | 1 gun to .022 | 1 gun to .024 | 1 gun to .027 |
| Delivery | .54 gpm | .70 gpm | .80 gpm |
| Fluid Pressure | 3,300 psi | | |
| Hose, max length | 300' max, depending on coating | | |
| Extension cord | 300' max, 12-gauge awg | | |
| Power requirement | 120 v, 60 hz, single phase | | |
| Motor | 7/8 hp DC | 1.55 hp Titan Unirec | 2.0 hp Titan Unirec |
| Weight | 35 lbs | 69 lbs | 99 lbs |

Accessories

| Part | Description |
|---------|-------------------------------|
| 460.013 | Extended Reach Tool – 18 inch |
| 460.014 | Extended Reach Tool – 24 inch |
| 460.022 | Gun (LX80)/Hose Kit |

Pressure Washer Models

| Aggressor Series | Bigfoot Series |
|---|---|
|  |  |
| 475.001 | 475.002 |

Specifications

| Item | Aggressor Series | Bigfoot Series |
|-----------|-------------------------------|-------------------------------|
| Pressure | 1,000 psi | 2,500 psi |
| Flow rate | 2.2 gpm | 4.0 gpm |
| Motor | 1.5 hp, 120v | 7.5 hp, 440v, 3 phase |
| Hose | 25' x 3/8" w/quick disconnect | 25' x 3/8" w/quick disconnect |
| Weight | 106 lbs | 240 lbs |



Super Blast Off® is a versatile cleaner and degreaser with unlimited uses. **Super Blast Off®** was developed to safely clean virtually any cleanable surface.

- *Versatile* – Removes grease, wax, gum, oil, ink, mildew, carbon, running rust and many other soils.
- *Safe* – Non-toxic, non-flammable, non-corrosive.
- *Economical* – Concentrate is diluted to required strength at ratios up to 100:1.



777.320

777.330

777.220

777.7376

777.0600

Super Blast Off® Components

| Part | Description |
|--|--|
| Super Blast Off® Liquid Concentrate | |
| 777.220 | Spray Bottle, 24 oz |
| 777.2819 | Spray Bottle, 24 oz (12 per case) |
| 777.320 | Bottle, 32 oz |
| 777.3398 | Bottle, 32 oz (12 per case) |
| 777.330 | Bottle, 1 gallon |
| 777.2818 | Bottle, 1 gallon (6 per case) |
| 777.250 | Bottle, 2.5 gallon |
| 777.7376 | Pail, 5 gallon |
| 777.7375 | Drum, 55 gallon |
| Eductor | |
| 777.0600 | Eductor. The fastest and easiest way to dilute and apply Super Blast Off® cleaner in one easy step. Great for flight decks. |

Eductor Details

Features

- Solid brass construction
- Selectable metering from 0-6% concentrate
- Simple, fast, easy setup

Specifications

Inlet size: 1.5" NPSH*
 Outlet size: 1.5" NPSH*
 Flow rate: 60gpm (227 lpm)
 Meter rate: 0, 0.5, 1, 3, 6 percent
 Weight: 9.5 lbs
 Length: 11.75"

*NPSH: Acronym for *National Pipe Straight Hose*

Flight Deck Non-Skid



Wash



Rinse

Running Rust



Before



After



Warranty

Desco tools have been carefully tested and inspected before shipment and are warranted to be free from any defects in materials and workmanship for a period of six months from the date of purchase. Should trouble develop, return the complete tool prepaid to Desco Mfg. Co., Inc. If inspection shows defective material or workmanship, Desco will repair the tool without charge during the warranty period. Proof of purchase may be required. This warranty does not apply to normal wear and tear, and does not cover any damages caused by careless or unsafe handling, alteration, accidents, misuse, or repair attempted or made by personnel other than Desco Manufacturing Company. This warranty applies in lieu of any other warranties expressed or implied and variations of its terms are not authorized.



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