Instructions



XD 60[™], XD 70[™], XD 80[™] Power Rewind Hose Reels

332630G

ΞΝ

Used in applications requiring long range dispense, transfer or evacuation of motor oils, diesel fuels*, lubricants, water, waste oil and air.

Not for use with gasoline or other flammable fluid. Not approved for use in hazardous or explosive atmosphere locations. For professional use only.

*less than 20% biofuel content

Models

(see page 2 for model information including Maximum Working Pressure)



Important Safety Instructions

Read all warnings and instructions in this manual. Save these instructions.

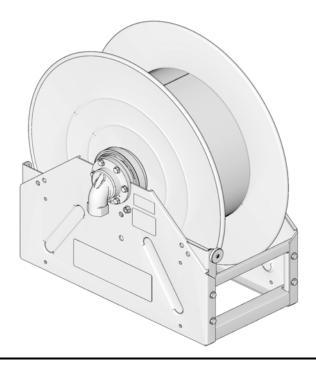


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Models

Understanding the Motor-less Reel Model Number

Motor-less reels are assigned a model number. This number identifies the frame size, port size, spring and pressure associated with that reel. For example an XD 6010LP model is an XD Model hose reel, size 60 frame, 1 in. port, low pressure.

- XD Frame Sizes: 60, 70, 80
- Port Sizes: 10 = 1 in. / 15 = 1.5 in. / 20 = 2 in.
- Pressures: LP Low Pressure applications such as Air/Water, Fuel, and Waste Oil Evacuation typically under 300 psi (2.1 MPa, 21 bar) / MP Medium Pressure applications such as Oil Dispense typically under 2000 psi (13.8 MPa, 138 bar)

XD 60, 70, 80 Motor-less Reels

NOTE: All reels have NPT inlets/outlets

| Part No. | XD 60/70/80 | Color | Maximum Wo | rking Pressure |
|----------|-------------|--------|------------|----------------|
| Part NO. | Models | Coloi | psi | MPa (bar) |
| 24T104 | XD 6010LP | Blue | 600 | 4.1 (41 bar) |
| 24T105 | XD 6010LP | Yellow | 600 | 4.1 (41 bar) |
| 24T106 | XD 6010LP | White | 600 | 4.1 (41 bar) |
| 24T107 | XD 6010MP | Blue | 3000 | 20.7 (207 bar) |
| 24T108 | XD 6010MP | Yellow | 3000 | 20.7 (207 bar) |
| 24T109 | XD 6010MP | White | 3000 | 20.7 (207 bar) |
| 24T110 | XD 7010LP | Blue | 600 | 4.1 (41 bar) |
| 24T111 | XD 7010LP | Yellow | 600 | 4.1 (41 bar) |
| 24T112 | XD 7010LP | White | 600 | 4.1 (41 bar) |
| 24T113 | XD 7010MP | Blue | 3000 | 20.7 (207 bar) |
| 24T114 | XD 7010MP | Yellow | 3000 | 20.7 (207 bar) |
| 24T115 | XD 7010MP | White | 3000 | 20.7 (207 bar) |
| 24T116 | XD 7015LP | Blue | 600 | 4.1 (41 bar) |
| 24T117 | XD 7015LP | Yellow | 600 | 4.1 (41 bar) |
| 24T118 | XD 7015LP | White | 600 | 4.1 (41 bar) |
| 24T119 | XD 7020LP | Blue | 600 | 4.1 (41 bar) |
| 24T120 | XD 7020LP | Yellow | 600 | 4.1 (41 bar) |
| 24T121 | XD 7020LP | White | 600 | 4.1 (41 bar) |
| 24T122 | XD 8010LP | Blue | 600 | 4.1 (41 bar) |
| 24T123 | XD 8010LP | Yellow | 600 | 4.1 (41 bar) |
| 24T124 | XD 8010LP | White | 600 | 4.1 (41 bar) |
| 24T125 | XD 8010MP | Blue | 3000 | 20.7 (207 bar) |
| 24T126 | XD 8010MP | Yellow | 3000 | 20.7 (207 bar) |
| 24T127 | XD 8010MP | White | 3000 | 20.7 (207 bar) |
| 24T128 | XD 8015LP | Blue | 600 | 4.1 (41 bar) |
| 24T129 | XD 8015LP | Yellow | 600 | 4.1 (41 bar) |
| 24T130 | XD 8015LP | White | 600 | 4.1 (41 bar) |
| 24T131 | XD 8020LP | Blue | 600 | 4.1 (41 bar) |
| 24T132 | XD 8020LP | Yellow | 600 | 4.1 (41 bar) |
| 24T133 | XD 8020LP | White | 600 | 4.1 (41 bar) |

Model XD 6010 Part Numbers: Air/Water, Fuel and Waste Oil Evacuation Applications

| Part No. | Power | CE | Color | | m Working essure | F | | ed Hose Sizes | * |
|----------|-----------|----|--------|---------------|---------------------|----------------------|----------|---------------|---------|
| | Source | | | PSI MPa (bar) | | inch diameter x feet | | | |
| 24R404 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R405 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R406 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R407 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R408 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R409 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R410 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R412 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R413 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24T207 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24T208 | 230 VAC | Х | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24T209 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R414 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R415 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R416 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R419 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R420 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |
| 24R421 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50◆ |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

♦ Only hose size recommended for use with Waste Oil Evacuation Applications.

Model XD 6010 Part Numbers: Oil and Grease Applications

| Part No. | Power | CE | Color | | ım Working essure | F | | d Hose Sizes | * |
|----------|-----------|----|--------|------|----------------------|----------------------|----------|--------------|---------|
| | Source | | | PSI | MPa (bar) | inch diameter x feet | | | |
| 24R422 | 12 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R423 | 12 VDC | Х | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R424 | 12 VDC | Х | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R425 | 24 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R426 | 24 VDC | Х | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R427 | 24 VDC | Х | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R428 | 115 VAC | NA | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R429 | 115 VAC | NA | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R430 | 115 VAC | NA | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24T210 | 230 VAC | Х | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24T211 | 230 VAC | Х | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24T212 | 230 VAC | Х | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R431 | Hydraulic | Х | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R432 | Hydraulic | Х | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R433 | Hydraulic | Х | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R434 | Pneumatic | Х | Blue | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R435 | Pneumatic | Х | Yellow | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |
| 24R436 | Pneumatic | Х | White | 3000 | 20.7 (207 bar) | 1/2 x 100 | 3/4 x 75 | 3/4 x 100 | 1 x 50† |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

[†] Only hose recommended for use in grease applications. Minimum operating temperature 0°F (-17.8°C).

Model XD 7010 Part Numbers: Air/Water and Fuel Applications

| Part No. | Power | CE | Color | | m Working essure | | ed Hose Sizes* |
|----------|-----------|----|--------|-----|---------------------|-----------|----------------|
| | Source | | | PSI | MPa (bar) | inch diam | eter x feet |
| 24R437 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R438 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R439 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R440 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R441 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R442 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R443 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R444 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R445 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24T213 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24T215 | 230 VAC | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24T216 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R446 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R447 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R448 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R449 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R450 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |
| 24R451 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 1 x 75 | 1 x 100 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 7010 Part Numbers: Oil

| Part No. | Power | CE | Color | | ım Working essure | | ed Hose Sizes* |
|----------|-----------|----|--------|------|----------------------|-----------|----------------|
| | Source | | 33.3. | PSI | MPa (bar) | inch diam | neter x feet |
| 24R452 | 12 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R453 | 12 VDC | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R454 | 12 VDC | Х | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R455 | 24 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R456 | 24 VDC | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R457 | 24 VDC | Х | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R458 | 115 VAC | NA | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R459 | 115 VAC | NA | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R460 | 115 VAC | NA | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24T218 | 230 VAC | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24T219 | 230 VAC | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24T220 | 230 VAC | Х | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R461 | Hydraulic | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R462 | Hydraulic | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R463 | Hydraulic | Х | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R464 | Pneumatic | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R465 | Pneumatic | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |
| 24R466 | Pneumatic | Х | White | 3000 | 20.7 (207 bar) | 1 x 75 | 1 x 100 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 7015 Part Numbers: Fuel and Waste Oil Evacuation Applications

| Part No. | Power | CE | Color | | m Working ssure | F | | d Hose Sizes | 6 * |
|----------|-----------|----|--------|-----|--------------------|----------------------|-----------|--------------|------------|
| | Source | | | PSI | MPa (bar) | inch diameter x feet | | | |
| 24R503 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R504 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R505 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R506 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R507 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R508 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R509 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R510 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R511 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24T221 | 230 VAC | Χ | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24T222 | 230 VAC | Χ | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24T223 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R512 | Hydraulic | Χ | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R513 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R515 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R516 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R517 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |
| 24R518 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 1.25 x 35 | 1.25 x 50 | 1.5 x 50 | 1.5 x 65‡ |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

‡Not recommended for use with Waste Oil Evacuation Applications.

Model XD 7020 Part Numbers: Fuel Applications

| Part No. | Power | CE | Color | Maximum Working Pressure | | Recommended Hose Sizes* inch diameter x feet |
|------------|-----------|------------|--------|--------------------------|--------------|----------------------------------------------|
| i dit ito. | Source | 0 L | 00.01 | PSI | MPa (bar) | |
| 24T011 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T012 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T013 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T014 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T015 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T016 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T017 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T018 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T019 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T224 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T225 | 230 VAC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T226 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T020 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T021 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T022 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T023 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T024 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 33 |
| 24T025 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 2 x 33 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 8010 Part Numbers: Air/Water and Fuel Applications

| Part No. | Power | CE | Color | | m Working ssure | Recommended Hose Sizes* |
|----------|-----------|----|--------|-----|--------------------|-------------------------|
| | Source | | | PSI | MPa (bar) | inch diameter x feet |
| 24R519 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R520 | 12 VDC | Χ | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R521 | 12 VDC | Χ | White | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R522 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R523 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R524 | 24 VDC | Χ | White | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R525 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R526 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R527 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 1 x 150 |
| 24T227 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24T228 | 230 VAC | Χ | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24T229 | 230 VAC | Χ | White | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R528 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R529 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R530 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R531 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R532 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 1 x 150 |
| 24R533 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 1 x 150 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 8010 Part Numbers: Oil Applications

| Part No. | Power | CE | Color | | ım Working essure | Recommended Hose Sizes* |
|----------|-----------|----|--------|------|----------------------|-------------------------|
| | Source | | | PSI | MPa (bar) | inch diameter x feet |
| 24R534 | 12 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R535 | 12 VDC | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R536 | 12 VDC | Х | White | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R537 | 24 VDC | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R538 | 24 VDC | Χ | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R539 | 24 VDC | Х | White | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R540 | 115 VAC | NA | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R541 | 115 VAC | NA | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R542 | 115 VAC | NA | White | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24T230 | 230 VAC | Χ | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24T231 | 230 VAC | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24T232 | 230 VAC | Х | White | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R543 | Hydraulic | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R544 | Hydraulic | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R545 | Hydraulic | Х | White | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R546 | Pneumatic | Х | Blue | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R547 | Pneumatic | Х | Yellow | 3000 | 20.7 (207 bar) | 1 x 150 |
| 24R548 | Pneumatic | Х | White | 3000 | 20.7 (207 bar) | 1 x 150 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 8015 Part Numbers: Fuel Applications

| Part No. | Power | CE | Color | | m Working essure | | ed Hose Sizes* |
|----------|-----------|----|--------|-----|---------------------|-----------|----------------|
| | Source | | | PSI | MPa (bar) | inch diar | neter x feet |
| 24R549 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R550 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R551 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R552 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R553 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R554 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R555 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R556 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R557 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24T233 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24T234 | 230 VAC | Х | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24T235 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R558 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R559 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R560 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R561 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R562 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |
| 24R563 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 1.5 x 75 | 1.5 x 100 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Model XD 8020 Part Numbers: Fuel Applications

| Part No. | Power Source | CE | Color | Maximum Working Pressure | | Recommended Hose Sizes* |
|----------|-----------------|----|--------|-----------------------------|--------------|-------------------------|
| | | | | PSI | MPa (bar) | inch diameter x feet |
| 24R564 | 12 VDC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R565 | 12 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R566 | 12 VDC | Х | White | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R567 | 24 VDC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R568 | 24 VDC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R569 | 24 VDC | Х | White | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R570 | 115 VAC | NA | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R571 | 115 VAC | NA | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R572 | 115 VAC | NA | White | 600 | 4.1 (41 bar) | 2 x 50 |
| 24T236 | 230 VAC | Х | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24T237 | 230 VAC | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24T238 | 230 VAC | Х | White | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R573 | Hydraulic | Х | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R574 | Hydraulic | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R575 | Hydraulic | Х | White | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R576 | Pneumatic | Х | Blue | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R577 | Pneumatic | Х | Yellow | 600 | 4.1 (41 bar) | 2 x 50 |
| 24R578 | Pneumatic | Х | White | 600 | 4.1 (41 bar) | 2 x 50 |

^{*} Always use the correct hose for your application. Adhere to hose manufacturer's recommendations to ensure you are using the correct hose.

Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

⚠ WARNING



FIRE AND EXPLOSION HAZARD

When flammable fluids are present in the work area, such as gasoline and windshield wiper fluid, be aware that flammable fumes can ignite or explode. To help prevent fire and explosion:



- Use equipment only in well ventilated area.
- Eliminate all ignition sources, such as cigarettes and portable electric lamps.
- Keep work area free of debris, including rags and spilled or open containers of solvent and gasoline.
- Do not plug or unplug power cords or turn lights on or off when flammable fumes are present.
- Ground all equipment in the work area.
- Use only grounded hoses.
- Stop operation immediately if static sparking occurs or you feel a shock. Do not use equipment
- until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.





ELECTRIC SHOCK HAZARD

This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.



- Turn off and disconnect power at main switch before disconnecting any cables and before servicing or installing equipment.
- Connect only to grounded power source.
- All electrical wiring must be done by a qualified electrician and comply with all local codes and regulations.



SKIN INJECTION HAZARD

High-pressure fluid from dispensing device, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. **Get immediate surgical treatment.**



- Do not point dispensing device at anyone or at any part of the body.
- Do not put your hand over the fluid outlet.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Follow the Pressure Relief Procedure when you stop dispensing and before cleaning, checking, or servicing equipment.
- Tighten all fluid connections before operating the equipment.
- Check hoses and couplings daily. Replace worn or damaged parts immediately.

WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Data** in all equipment manuals.
- Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all
 equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information
 about your material, request MSDS from distributor or retailer.
- Do not leave the work area while equipment is energized or under pressure.
- Turn off all equipment and follow the Pressure Relief Procedure when equipment is not in use.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- · Do not kink or over bend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.



PRESSURIZED ALUMINUM PARTS HAZARD

Use of fluids that are incompatible with aluminum in pressurized equipment can cause serious chemical reaction and equipment rupture. Failure to follow this warning can result in death, serious injury, or property damage.

- Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents.
- Many other fluids may contain chemicals that can react with aluminum. Contact your material supplier for compatibility.



MOVING PARTS HAZARD

Moving parts can pinch, cut or amputate fingers and other body parts.

- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.



 Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure and disconnect all power sources.



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Read MSDSs to know the specific hazards of the fluids you are using.
- · Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.



PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. This protective equipment includes but is not limited to:

- Protective eye wear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer

Installation

Installation Notes

- Before installing the hose reel, inspect it for shipping damage.
- The following user supplied materials are needed for installation:
 - Appropriately sized supply lines.
 - Pneumatic Lines: 3/8 in. ID or larger for powering pneumatic motors.
 - Hydraulic Lines: 1/2 in. ID or larger for powering hydraulic motors.
 - Pneumatic powered reels only: an air line filter/regulator/lubricator is required.
 - Insulated cable rated for use with motor amperage (See Technical Data, page 49).
 - Insulated ring terminal and wire nut connectors
 - Union fitting
 - Flexible inlet supply hose
- A flexible supply hose connection must be used between the hose reel inlet and the source of the fluid supply to prevent possible misalignment and binding during operation.

Grounding







The reel must be bonded (grounded) directly to the truck (Fig. 1). For non-mobile installation locations the reel must be grounded. Grounding reduces the risk of static shock due to static build up on the equipment.

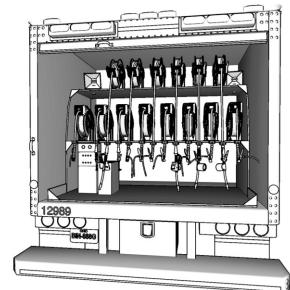


Fig. 1

Typical Layout

The installation shown in Fig. 2 is only a guide. Contact your Graco distributor for assistance in designing a system to suit your needs.

Truck-bed or Floor

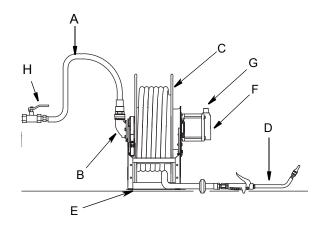


Fig. 2

Key:

- A From Fluid Pump
- B Fluid Inlet
- C Hose Reel
- D Dispense Valve
- E Mounting Base
- F Reel Rewind Motor
- G Reel Motor Power Supply
- H Fluid Shut Off Valve (required)

Inlet Orientation











- 1. If reel has been in service, relieve pressure, page 35.
- ALWAYS verify that power to hose reel is disconnected. See Disconnecting Motor Power Source for Electric, Pneumatic or Hydraulic Power Rewind Motors, page 38.

For the following steps, refer to Fig. 3.

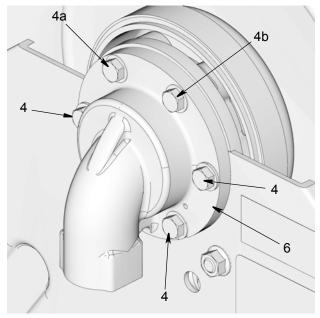


Fig. 3

- 3. Remove bolts (4).
- 4. Remove and rotate swivel (6) to desired location.

NOTE: The swivel can be rotated and set to 6 possible positions.

- 5. First install the top 2 bolts (4a and 4b) as shown in Fig. 3. Tighten bolts just enough to hold everything in place.
- 6. Then install the remaining bolts (4). Hand tighten and then torque all bolts to 25 to 35 ft. lbs (33.9 to 47.45 N•m).

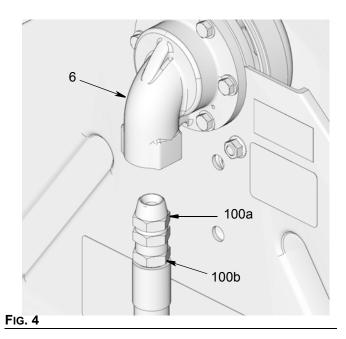
Installing Inlet Hose

Inlet Hose Kits (100) - 24R111, 24R112, 24R115, 24R117, 24R118 and 24T858 are available from Graco. See Miscellaneous Kits, page 43.

NOTICE

A flexible hose connection must be used between the hose reel inlet and the fluid supply hose to prevent possible misalignment and binding during operation.

- 1. Apply pipe thread sealant or wrap PTFE tape around the threads of a union (100a).
- 2. Attach union adapter to inlet (6) (Fig. 4).
- Apply pipe thread sealant or wrap PTFE tape around the threads (6) of inlet hose (100b) (Fig. 4) (if needed).
- 4. Attach union adapter (100a) to inlet hose (100b) (Fig. 4). Use a wrench to tighten the connection.
- Use a wrench to support the inlet fitting while tightening the adapter.



Motor Module Installation

The following instructions are for first time installations only. If your hose reel has been in service and you are <u>replacing</u> the motor module, see the XD 60, XD 70, XD 80 Powered Hose Reel Repair manual for instructions.

1. Ensure splined shaft (26a) on motor module (26) is greased.

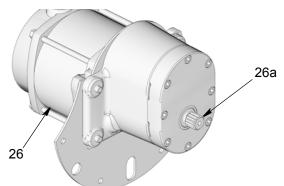


Fig. 5: Electric Motor Shown

Remove four of the mounting bolts (9a and 9b, Fig. 6) from the motor mounting bracket (21). These holes will be used to secure the motor module (26) to the motor mounting bracket (21).



rig. 6

- 3. Insert shaft of motor module into power shaft (20). Rotate as needed to align shaft splines.
- 4. Install 4 mounting bolts (9a and 9b) finger tight only.

5. Support end of motor to align sheet metal mounting plate (26b) on motor module (26) to reel frame.

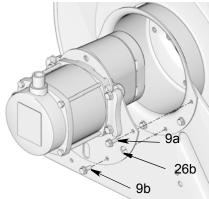


Fig. 7: Electric Motor Shown

- 6. Tighten bolts (9a), top two, first. Then tighten bottom two bolts (9b).
- 7. Torque bolts to 25-35 ft. lbs (34-47.5 N.m).

Powering the Hose Reel

The hose reel must be installed before powering the reel.

Electric Models

12 VDC or 24 VDC Models

Required Accessories:

- Insulated wire: Size wire per amperage on motor name plate. In higher amperage applications, use larger wire to prevent voltage drop.
- Solenoid.
- Momentary push button.
- Circuit breaker: Size circuit breaker per amperage on motor name plate and insulated wire rating.
- Ring terminals and wire nuts.

Instructions

- 1. Disconnect battery.
- 2. Follow wiring diagram provided in Fig. 8 and Wiring Schematic provided in Fig. 9.
- 3. Connect battery.
- 4. Verify motor rotation (see Reversing Motor Rotation, page 30).

Wiring Diagram

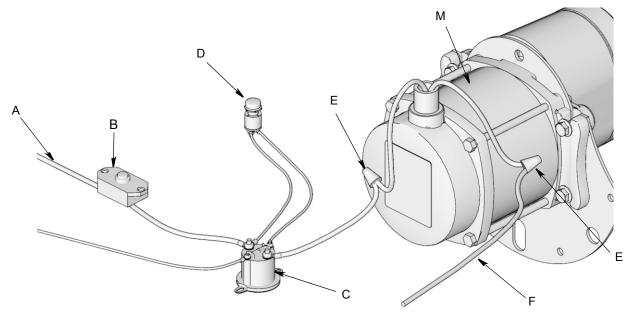


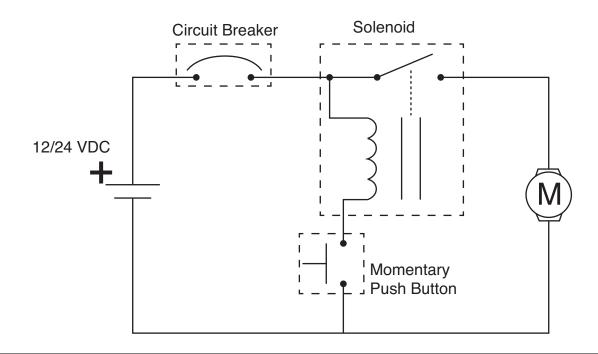
Fig. 8

Fig. 9

- A Motor cable to battery (positive terminal)
- B Circuit breaker
- C Solenoid
- D Momentary push button switch

- E Wire nut
- F Cable to battery (negative terminal)
- M Motor

Wiring Schematic



115 or 230 VAC Models







All electrical wiring must be done by a qualified electrician and comply with all local codes and regulations.

NOTICE

- AC motors are rectified DC motors and generate approximately 90VDC. Proper wiring must be followed to prevent damage to rectifier.
- Ensure motor is connected to a secondary protected circuit, properly rated for motor amperage to prevent damage to the motor.

Required Accessories:

- Hard service cord: Size cord per amperage on motor name plate. Choose proper cord type for operating environment.
- Junction box.
- 3/4 inch plugs.
- 3/4 inch, strain relief connectors.
- Double Pole, Single Throw (DPST) Push Button Switch.
- Wire nuts.

Instructions

Follow wiring diagram provided in Fig. 10 and wiring schematic Fig. 11.

Wiring Diagram

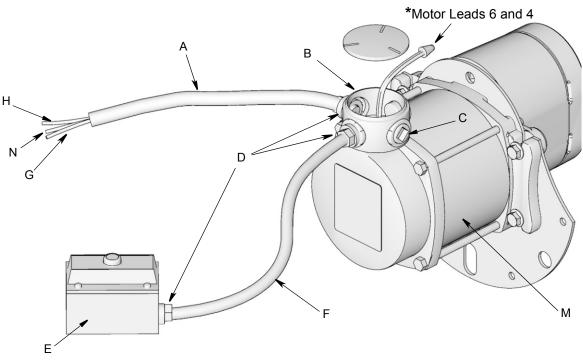


Fig. 10

- A Hard service cord 3 conductors
- B Junction Box
- C 3/4 inch Plug
- D Strain Relief
- E Double Pole, Single Throw (DPST) Push Button Switch
- F Hard Service Cord 5 conductors

- G Cable, Ground
- H Cable, Hot
- M Motor
- N Cable, Neutral

Wiring Schematic

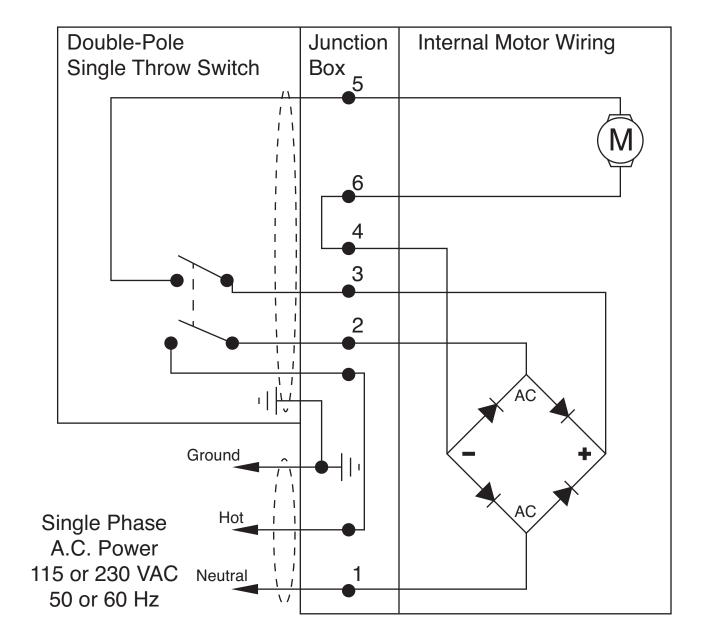
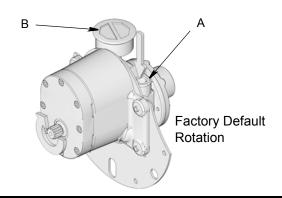


Fig. 11

Pneumatic Models

1. Connect pneumatic power supply line to the pneumatic motor. Install air line oiler (required).

NOTE: When the reel is powered the spool should wind in the direction that allows the hose to wind up onto the spool. The factory default reel configuration is counter-clockwise rotation of the motor when viewed from the motor side of the spool (end opposite the motor shaft). See Fig. 12.



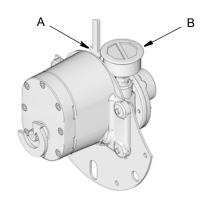


FIG. 12

- Air Inlet
- Muffler
- Install the muffler supplied with the reel pneumatic motor in the opposite port as the power supply.

- 3. Turn on power supply and verify rotation is correct. Reverse connections to reverse motor rotation.
- 4. Install pneumatic control (Graco PN 127271. See Miscellaneous Kits, page 43).
 - a. Connect port 1 to the pneumatic power supply line (Fig. 14).

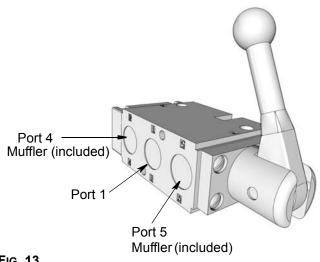


FIG. 13

b. Connect port 2 to the reel air motor (Fig. 13).

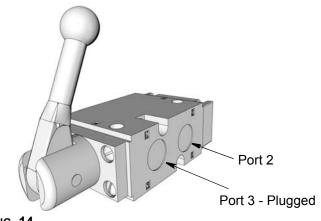


FIG. 14

Control Operation

The control is a 2 position control:

Normal Position: allows free-spool rotation (Fig. 15).

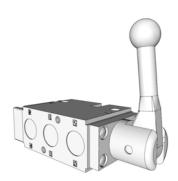


FIG. 15

- Handle Pulled: energizes the reel (Fig. 16).

NOTE: The Pull direction is spring returned. When it is released, the pneumatic power to the reel is stopped.

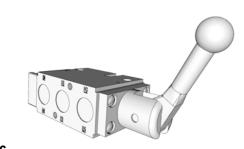


FIG. 16

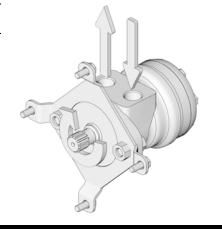
Hydraulic Models

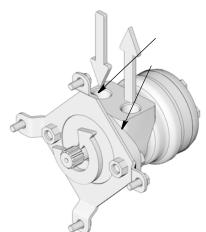
 Connect hydraulic control supply line to the hydraulic motor.

NOTE: When the reel is powered the spool should wind in the direction that allows the hose to wind up onto the spool. The factory default reel configuration is counter-clockwise rotation of the motor when viewed from the motor side of the spool (end opposite the motor shaft). See Fig. 17.

- 2. Connect the opposite motor port to the tank return line.
- 3. Turn on power supply and verify correct rotation. Reverse connections to reverse motor rotation.

FIG. 17





User Supplied Hydraulic Controls

NOTICE

- Do not use a valve that allows oil from the hydraulic motor to bleed back into the tank without replenishing it such as a closed center spool or tandem center spool valve. This could seriously damage or seize the motor.
- Always use a filter in the hydraulic system. Failure to use a filter will void the Graco warranty on the reel and hydraulic motor.

Installations with Fixed Displacement Pump

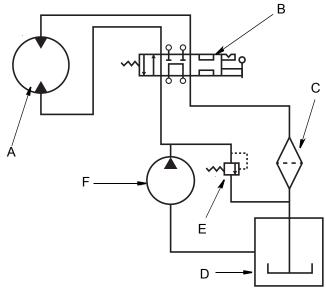


FIG. 18

- A Reel Motor
- B 4-Way Valve (appropriately sized to match pump output)
- C Return Line Filter
- D Reservoir
- E Relief Valve
- F Pump

Graco Hydraulic Controls (Optional)

NOTE: Users may use their own hydraulic controller or Graco Hydraulic Control Kits 127224 and 127225 are available. See Miscellaneous Kits, page 43 or contact Graco Customer Support or your Graco Distributor for information about ordering these kits.







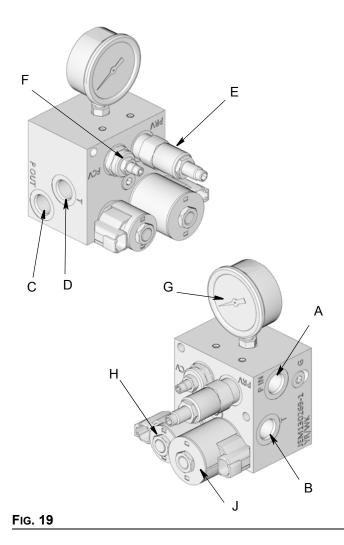




Hydraulic control modules 127224 and 127225 are designed for use with an internally pressure compensated hydraulic pump only. Do not use with a hydraulic supply pump without pressure relief.

- Install hydraulic control (Graco PN 127224 12V or 127225 - 24V. See Miscellaneous Kits, page 43) (Fig. 19).
 - a. Connect hydraulic power supply to hydraulic pressure inlet (A).
 - b. Connect tank return hose to tank port (B).
 - c. Connect hydraulic pressure outlet (C) to proper hydraulic motor inlet on reel for the desired rotation direction.
 - d. Connect tank return (D) to remaining port on reel motor.
 - e. Reverse connections on hydraulic motor to reverse rotation.
- 2. Wire switch to solenoids on hydraulic control module as shown in (Fig. 20 and Fig. 21).
 - H is the solenoid to energize the hydraulic circuit to apply power to the rewind motor.

- J is the solenoid to energize the hydraulic circuit to allow the reel spool to "free spool" to allow for hose extension.
- The center switch position is the normal position and does not energize either solenoid. The spool rotation is restricted in this switch position.
- Turn on power supply and verify correct rotation. Reverse hydraulic motor connections to reverse motor rotation.



Function Diagram

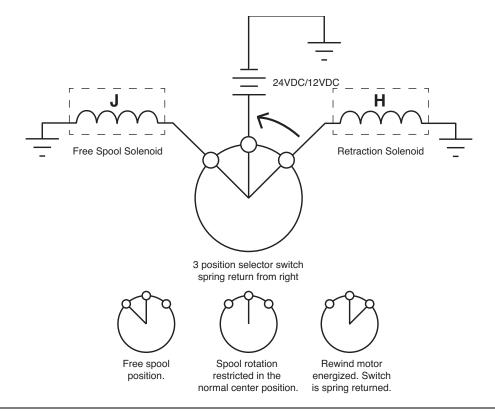
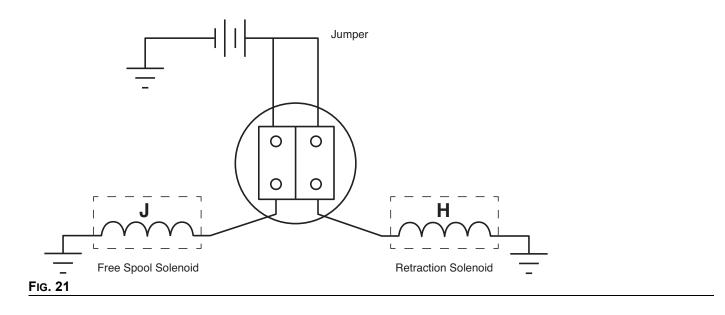


Fig. 20

Switch Wiring Diagram

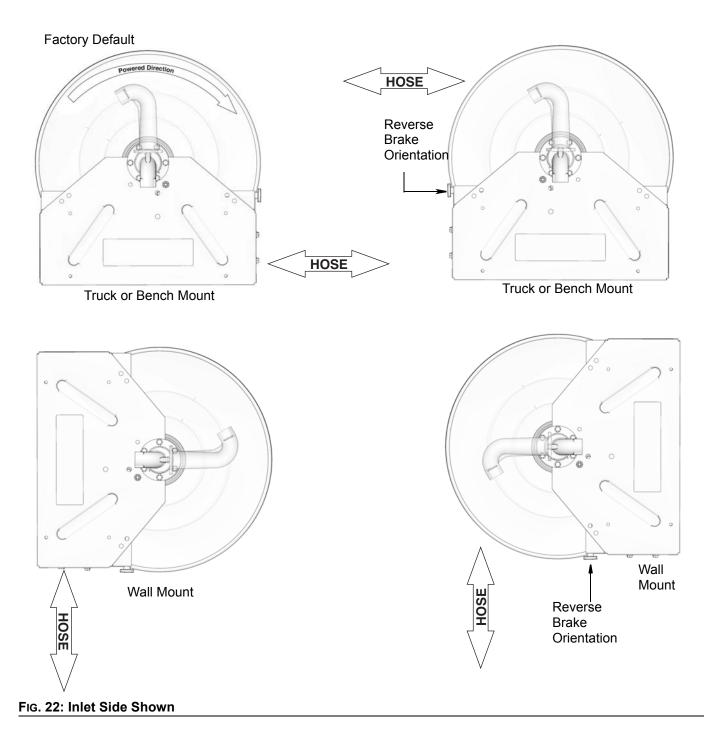
View from backside of switch



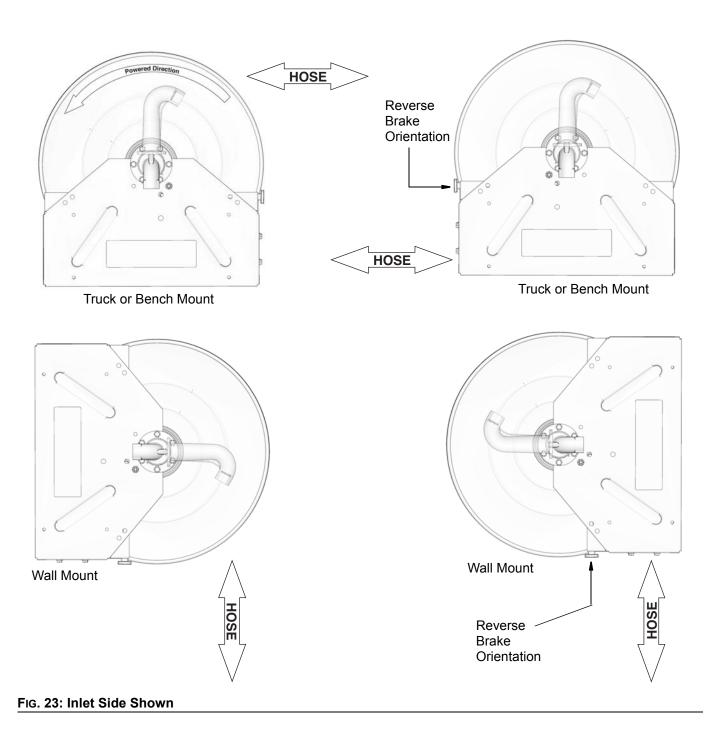
Outlet Orientation and Motor Rotation

The outlet (17) orientation and motor (26) rotation can be altered as shown in Fig. 22-Fig. 23.

In the configurations shown in Fig. 22 the motor turns counter-clockwise under power when viewed from the motor side of the reel. All four configurations shown in Fig. 22 have the factory standard motor rotation and outlet orientation.



In the configurations shown in Fig. 23 the motor turns clockwise under power when viewed from the motor side of the reel. All four configurations shown in Fig. 23 require motor (26) rotation reversal and outlet (17) reversal.



Reversing Motor Rotation

The following instructions are for first time installations only. If your hose reel has been in service, the hose must be removed from the reel prior to preforming his procedure. See instructions for removing the hose from the reel, in the XD 60, XD 70, XD 80 Powered Hose Reel Repair manual.

- Reverse direction of outlet (17).
 - a. Remove bolts (19) and outlet (17) from reel (FIG. 24).

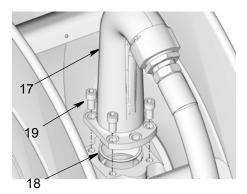


FIG. 24

Turn outlet (17) 180° as shown in Fig. 25.

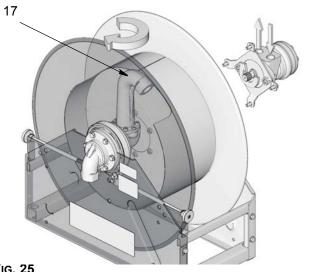


FIG. 25

- Apply a light coating of grease to the o-ring (18). C.
- Install outlet (17) on reel.

- e. Reinstall bolts (19). Tighten all four bolts securely. Torque bolts to 24 to 30 ft. pounds (32.54 to 40.67 N.m)
- 2. Reverse motor direction.
 - Electric Motors AC Models Swap leads 5 and 6 (Fig. 11, page 22).
 - DC Models Swap leads exiting directly from motor (Fig. 9, page 20).
 - Pneumatic Motors Reverse input and muffler parts on pneumatic motor (Fig. 12, page 23).
 - Hydraulic Motors Reverse input and return to tank lines on hydraulic motor (Fig. 19, page 26).
- Reverse brake orientation (if needed). See Changing Brake Location, page 31.

Motor Brake

Adjusting the Brake

The hose reel is equipped with a brake. The brake can be used to:

- Secure the reel and hold it stationary when in
- Create resistance to help user maintain control of the hose when unwinding the hose from reel.

Turn brake knob (41) (Fig. 26) left or right to loosen or tighten the brake tension.

- Turn knob (41) to the right to increase / tighten brake tension.
- Turn knob (41) to the left to decrease / loosen brake tension.



Changing Brake Location

For some installation locations, it may be necessary to change the location of the brake.

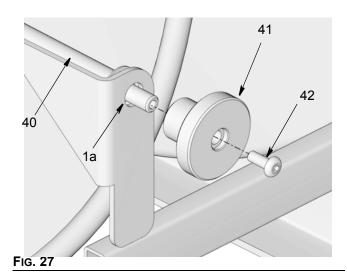








- 1. Disconnect power to hose reel. See Disconnecting Motor Power Source for either Electric Motors, Pneumatic Motors or Hydraulic Motors, page 17.
- 2. Turn knob (41) counter-clockwise to remove brake tension.
- 3. Loosen and remove screw (42) from end of knob (41) (FIG. 27).



- 4. Remove knob (41) from end of rod (40) (Fig. 27).
- 5. Loosen and remove nut (24) and pull band clip (34a) off anchor pin (37).

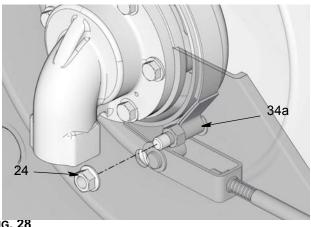


FIG. 28

Remove clip (36) from anchor pin (37) (Fig. 29).

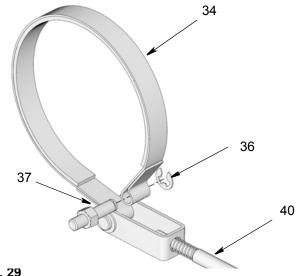


FIG. 29

- 7. Remove (37) from band (34) (Fig. 29).
- Remove band (34) from brake hub (12).
- Pull end of rod (40) out of frame (1a) (Fig. 27).
- 10. Rotate entire brake assembly 180° (Fig. 30).

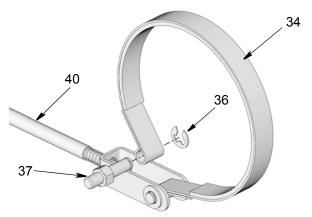


FIG. 30

- 11. Install band (34) around brake hub (12).
- 12. Install anchor pin (37) through (34) making sure clip end is in position shown in Fig. 30.
- 13. Reinstall clip (36) (Fig. 30).
- 14. Feed end of rod (40) through hole (27b) (Fig. 27).
- 15. Reinstall knob (41) over end of rod (40). Install screw (42). Tighten screw securely to hold knob in place (Fig. 27).
- 16. Install anchor pin (37) to frame (Fig. 31). Reinstall nut (24) over anchor pin (37) and tighten securely (Fig. 31).

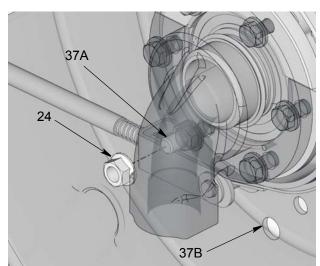


Fig. 31: 37A shows the new location of anchor pin (37). 37B shows the previous location of anchor pin (37).

17. Turn knob (41) to adjust tension as needed.

Mounting Options

All Mountings

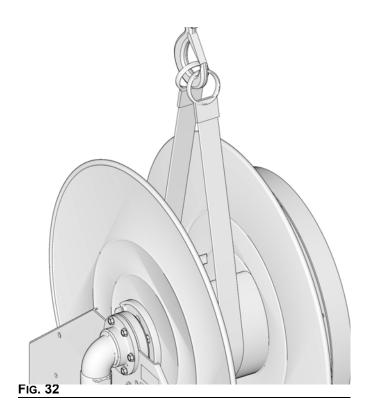
NOTE:

- Always use large flat washers and four, 3/8 inch diameter bolts to mount the hose reel pedestal to the surface.
- Adjust inlet orientation prior to installing the hose reel. See Inlet Orientation, page 17.
- The maximum recommended installation height is 8 feet (2.4 meters)

Lifting Hose Reel

Always use a hoist or other suitable lifting device to raise hose reel into position.

Secure a lifting strap around spool as shown in Fig. 32. or place a strap over the inlet and motor as shown in Fig. 33. See Technical Data (page 49) for hose reel weights.



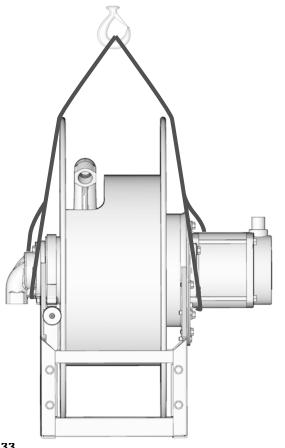


FIG. 33

Hose Installation

NOTE: The hose reel must be installed and the power connected before hose is installed.

The following instructions are for first time installations only. If your hose reel has been in service and you are <u>replacing</u> the hose, see the XD 60, XD 70, XD 80 Powered Hose Reel Repair manual for instructions.









- Disconnect motor power source. See Disconnecting Motor Power Source, page 38.
- 2. Remove bolts (19) and outlet (17) from reel (Fig. 34).

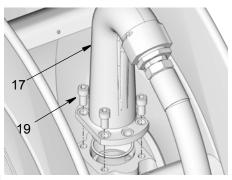


FIG. 34

- 3. Determine correct orientation for outlet (17) for your installation location. Refer to Outlet Orientation and Motor Rotation, Fig. 22, page 28 and Fig. 23, page 29.
- 4. Apply pipe thread sealant or wrap hose threads with PTFE tape.
- 5. Attach end of the hose to the outlet (17) using two wrenches on the flats, working in opposite directions, to securely tighten the hose to the outlet fitting (Fig. 35).

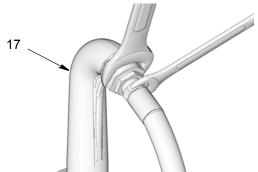


Fig. 35

 Reinstall outlet (17) to spool. Replace and tighten bolts (19) securely. Torque bolts to 24 to 30 ft. pounds (32.54 to 40.67 N.m) (Fig. 36).

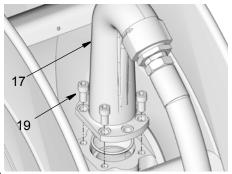


FIG. 36

NOTICE

Failure to pressurize hose before winding hose on reel, can damage spool.

- 7. Pressurize hose before winding it on the reel.
- 8. Flush system by pumping dispensing fluid through line until all solvent has been flushed out (See Flushing instructions, page 35.)
- 9. Connect motor power.
- 10. Actuate button or valve to wind hose onto reel.

Flushing











To avoid fire and explosion always ground equipment and waste container. To avoid injury from splashing, always flush at lowest possible pressure.

Before installing dispense valve to end of hose, flush supply line with a solvent compatible with the fluid you are dispensing.

1. Place end of hose in a waste container.



FIG. 37

2. Blow out entire lubricant supply line with air.



FIG. 38

3. Flush equipment with a compatible solvent until fluid runs clear.



FIG. 39

4. Pump dispensing lubricant through line until all solvent is flushed out.

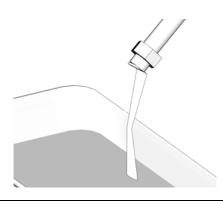


Fig. 40

Pressure Relief Procedure



Follow the Pressure Relief Procedure whenever you see this symbol.











This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing the equipment.

- 1. Turn off power supply to fluid pump.
- 2. Isolate the supply pump fluid supply line by turning off (closing) the fluid shut off valve (H, page 17).
- Open the dispensing valve until pressure is fully relieved.

If you suspect the dispensing valve or extension is clogged or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen

coupler or hose end coupling to relieve pressure gradually, then loosen completely. Clear the obstruction.

Operation







SLIPPERY SURFACE HAZARD

Wet, snow-covered or icy surfaces could result in serious injury due to slipping or falling when pulling the hose off the reel. To prevent injury:

- If possible walk on a dry or stable surface.
- If you must walk on a slippery surface, wear proper footwear for better traction.

Unwinding Hose

- 1. Turn on dispense fluid or air supply to pressurize service hose.
- 2. Actuate free spool and release brake. See Adjusting the Brake instructions, page 30.
 - <u>For Pneumatic Models</u>: Position pneumatic lever in free spool position, page 24.
 - <u>For Hydraulic Models:</u> Turn switch to free spool position, page 27.
- 3. Adjust brake tension as needed to prevent hose from unwinding too fast. See Adjusting the Brake instructions, page 30.
- 4. Pull hose off reel.

Retracting the Hose









- Always wear heavy gloves to protect your hands from being cut on the hose or reel.
- Do not grip the hose. Only use your hand to guide the hose as it is retracting. To avoid injury, keep your hands away from the frame and spool.

NOTICE

- To prevent damage to the meter or dispense valve and hose reel, before retracting the hose reel, walk the dispense device back to the reel.
- 1. Turn brake knob (41) to release brake tension. (See Adjusting the Brake instructions, page 30.)
- 2. Actuate switch or valve to allow the hose to retract.

NOTICE

The duty cycle of electric motors is 5 minutes. To prevent damage to the motor, always allow the motor to return to ambient temperature prior to starting a new duty cycle.

- 3. To adjust retraction speed:
 - Electric Models: lightly tap or "bump" the switch.
 - Pneumatic Models: Decrease (lower) the air pressure to the pneumatic motor.
 - Hydraulic Models: Adjust the flow control valve on the hydraulic control module.

Disconnecting Motor Power Source

Electric Powered Motors









 Disconnect power to hose reel at main power source.

Pneumatic Powered Motors









- 1. Isolate the air supply line to the motor by turning off (closing) the supply, bleed-type master air valve.
- 2. Activate air control lever to bleed off any additional remaining pressure.
- 3. Disconnect air supply hose from reel motor.

Hydraulic Powered Motors











- 1. Power down hydraulic power source.
- 2. Isolate hydraulic power source from hydraulic control by closing isolation valve.
- Activate hydraulic control to bleed off any additional pressure.
- 4. If free-spool mode is needed either:
 - Disconnect the hydraulic supply and return lines from the reel motor.

OR

 Activate the free-spool circuit. Hydraulic power is not required to activate the free-spool circuit. It can be accomplished by energizing the free-spool solenoid on the hydraulic control module or placing the manual valve in the free-spool position.

Troubleshooting











| Problem | Cause | Solution |
|-----------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Button or valve is actuated, reel does not operate | External power source is not energized | Check that all power connections are made and in working condition. Tighten any loose connections. Replace broken or damaged parts. |
| | Power circuits are interrupted or damaged | Check connections for proper routing. Correct routing. Replace broken or damaged parts and fuses. |
| | Hose or reel spool is jammed | Check that spool will rotate when using your hand to turn it. Unwind hose from spool and use your hand to guide it back onto the spool to avoid stacking problems. |
| | Motor is not operating | Replace motor module. See Repair manual. |
| Poor Retraction | Pneumatic/Hydraulic Reels only: Low supply pressure and flow | Adjust pressure and flow. Verify all lines are correctly sized. See Installation Notes, page 16 or Technical Data page 49. |
| | Hose too stiff | Use correct hose for application. |
| | | NOTE: Wrapped hoses are more difficult to retract than smooth hoses. |
| | Excessive swivel friction and hose bending torque | Reduce operating pressure. |
| | Hose or reel spool is jammed | Check that spool will rotate when using your hand to turn it. Unwind hose from spool and use your hand to guide it back onto the spool to avoid stacking problems. |
| | Spool bearing failure | Rebuild or replace inlet bearing and/or power shaft bearing. See XD 60, XD 70, XD 80 Power Rewind Hose Reel Repair Manual. |
| | Brake too tight | Loosen brake tension |
| | Dispense valve dragging while retracting hose | Walk dispense valve back to reel before retracting hose. |
| Excessive Hose Extension Forces | Brake is too tight | Loosen brake tension. |
| | Excessive swivel friction | Reduce operating pressure. |
| Oil Hoses Only: Pressure increases while winding hose onto reel | Wrapping hose on spool bends hose and increases pressure inside hose | Install pressure relief valve. |

Troubleshooting

| Problem | Cause | Solution |
|-----------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fluid leakage from inlet housing or weep hole | Worn inlet seal | Replace inlet seal. See Inlet / Inlet Seal and O-Ring Replacement instructions provided in the XD 60, XD 70, XD 80 Power Rewind Hose Reel Repair Manual. |
| | Loose inlet hose | Tighten inlet hose connection |
| Fluid leakage from outlet seal | Seal failed | Replace outlet seal. See Outlet / Outlet Seal Replacement instructions provided in the XD 60, XD 70, XD 80 Power Rewind Hose Reel Repair Manual. |
| | Loose service hose | Tighten service hose connection |

Parts

| Ref | Part No. | Description | Qty |
|-----|----------|------------------------------------|-----|
| 1 | | BASE | 1 |
| 2 | | SPOOL | 1 |
| | 16P906 | SWIVEL, low pressure models | 1 |
| 3 | 16P907 | SWIVEL, med pressure models | 1 |
| | 126596 | SCREW, cap, hex head, low | 6 |
| 4 | 120090 | pressure models | 6 |
| + | 112586 | SCREW, cap, hex head, med | 6 |
| | 112300 | pressure models | 0 |
| 5 | 16P901 | RETAINER, bearing, medium | 1 |
| 5 | 101901 | pressure models only | ' |
| | | SWIVEL, inlet, 1.0 in. | 1 |
| 6 | | SWIVEL, inlet, 1.5 in. | 1 |
| | | SWIVEL, inlet, 2.0 in. | 1 |
| 7 | 126787 | SEAL, inlet | 1 |
| 8 | 126643 | RING, retaining, 1.969 shaft | 1 |
| 9 | 110963 | SCREW, cap, flange head | 18 |
| 10 | 126720 | SHIM, frame, medium pressure | 1 |
| 10 | 126739 | models only | ı |
| 11 | 24R514 | BEARING, retainer, low pressure | 1 |
| 11 | 248314 | models only | ' |
| 12 | 126808 | HUB, brake | 1 |
| 13 | 16P898 | INSERT, bearing, medium pressure | 1 |
| 13 | 105090 | models only | ' |
| 14 | 16W910 | O-RING, 147, buna, medium | 1 |
| 17 | | pressure models only | |
| 15 | 126731 | O-RING, 135, buna, medium | 1 |
| 10 | 120701 | pressure models only | |
| 16 | 555371 | BALL, chrome, stainless steel, | 21 |
| 10 | 000071 | medium pressure models only | |
| | | SWIVEL, outlet, 1 in., tall, XD 60 | 1 |
| | | and XD 8010 models | · |
| | | SWIVEL, outlet, 1 in., XD 7010 | 1 |
| | | models | · |
| | | SWIVEL, outlet, 1.5 in., XD 7015 | 1 |
| 17 | | models | · |
| | | SWIVEL, outlet, 2 in., XD 7020 | 1 |
| | | models | |
| | | SWIVEL, outlet, 1.5 in., tall, XD | 1 |
| | | 8015 models | |
| | 1.25 | SWIVEL, outlet, 2 in., XD 8020 | 1 |
| 18 | 105318 | PACKING, o-ring | 1 |

| Ref | Part No. | Description | Qty |
|------|----------|------------------------------------|--------|
| | | SCREW, SHCS, 5/16-18 x 0.75, | 4 |
| 19 | EE0670 | low pressure models | 4 |
| 19 | 558673 | SCREW, SHCS, 5/16-18 x 0.75, | 6 |
| | | medium pressure models | 0 |
| 20 | | SHAFT, power | 1 |
| 21 | | BRACKET, motor mount | 1 |
| 22 | 127151 | FLANGE, bearing | 2 1 |
| 23 | 112953 | BEARING, ball | 1 |
| 24 | 112958 | NUT, hex, flange | 3 |
| 25 | 158019 | SHIM, washer | 1 |
| 26a* | 24T886 | MOTOR, assembly, 12 VDC | 1 |
| 26b* | 24T888 | MOTOR, assembly, 24 VDC | 1 |
| 26c* | 24T910 | MOTOR, assembly, 12 VDC, 2/3 hp | 1 |
| 26d* | 24T911 | MOTOR, assembly, 24 VDC, 2/3 hp | |
| 26e* | 24T889 | MOTOR, assembly, 115 VAC | 1 |
| 26f* | 24T890 | MOTOR, assembly, 230 VAC | 1 |
| 26g* | 24T892 | MOTOR, assembly, pneumatic | 1 |
| 26h* | 24T891 | MOTOR, assembly, hydraulic | 1 |
| 27 | 16V902 | PLATE, wear | 2 |
| 28 | 111801 | SCREW, cap, hex head | 4 |
| 29 | 110996 | NUT, hex, flange head | 4 |
| 30 | 106082 | RING, retaining | 1 |
| 33 | 112914 | WASHER, plain | 2 |
| 34 | | BAND, brake | 1 |
| 35 | | CLEVIS, brake | 1 |
| 36 | 101134 | RING, retaining | 2 |
| 37 | | PIN, brake, anchor | 1 |
| 38 | | PIN, clevis, grooved, 0.375 x 1.65 | 1 |
| 39 | | SPRING, compression | 1 |
| | 16U506 | ROD, brake, All XD 60 and XD 70 | 1 |
| 40 | | models only | - |
| | 16U430 | ROD, brake, All XD 80 models only | 1 |
| 41 | 16W151 | KNOB | 1 |
| 42 | 555608 | SCREW, #10-24 x 0.50 soc | 1 |
| 43 | 16T815 | LABEL, identification | 1 |
| 46 ▲ | 15W036 | LABEL, warning | 1 |

^{*} Models 24T104 - 24T133 do not include a motor. See Motor Kits, page 42

▲ Replacement safety labels, tags, and cards are available at no cost.

Repair and Accessory Kits

Motor Kits (26)

| Ref | Part No. | Description | Qty |
|-----|-----------------|-------------------------------------|-----|
| | 24T886 | MOTOR, assembly, 12 VDC, | |
| | | includes: | |
| | 112785 | SCREW, hex head | 4 |
| 26a | 126991 | • MOTOR, 12 VDC, 1/2 HP, 650 rpm | 1 |
| | 16U141 | PLATE, motor mount, black | 1 |
| | 24P951 * | • KIT, GEAR REDUCER | 1 |
| | | | |
| | 24T888 | MOTOR, assembly, 24 VDC, includes: | |
| | 112785 | SCREW, hex head | 4 |
| 26b | 126992 | • MOTOR, 24 VDC, 1/2 HP, 650 rpm | 1 |
| | 16U141 | PLATE, motor mount, black | 1 |
| | 24P951 � | • KIT, GEAR REDUCER | 1 |
| | | | |
| | 24T910 | MOTOR, assembly, 12 VDC, includes: | |
| | 112785 | SCREW, hex head | 4 |
| 26c | 127247 | • MOTOR, 12 VDC, 2/3 HP, 700 rpm | 1 |
| | 16U141 | PLATE, motor mount, black | 1 |
| | 24P951 � | •KIT, GEAR REDUCER | 1 |
| | | | |
| | 24T911 | MOTOR, assembly, 24 VDC, includes: | |
| | 112785 | SCREW, hex head | 4 |
| 26d | 127248 | • MOTOR, 24 VDC, 2/3 HP, 700 rpm | 1 |
| | 16U141 | PLATE, motor mount, black | 1 |
| | 24P951 | • KIT, GEAR REDUCER | 1 |
| | | | |
| | 24T889 | MOTOR, assembly, 115 VAC, includes: | |
| | 112785 | SCREW, hex head | 4 |
| 26e | 126990 | • MOTOR, 115 VAC, 40 HP, 500 rpm | 1 |
| | 16U141 | PLATE, motor mount, black | 1 |
| | 24P951 | • KIT, GEAR REDUCER | 1 |
| | | | |

| 26f 127211 * MOTOR, 230 VAC, 1/2 HP, 650 rpm 16U141 * PLATE, motor mount, black 24P951* * KIT, GEAR REDUCER 24T892 MOTOR, assembly, pneumatic, includes: 111192 * SCREW, cap, flange head 126994 * MOTOR, pneumatic, 4 hp 16U141 * PLATE, motor mount 24P951* * KIT, GEAR REDUCER 24T891 MOTOR, pneumatic, 4 hp 16U141 * PLATE, motor mount 24P951* * KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 * SCREW, cap, flange head 113961 SCREW, cap, hex head 16W740 * MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 * ADAPTER, hydraulic motor * VAP951 KIT, gear reducer | Ref | Part No. | Description | Qty |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|---------------------------------------------|-----|
| 127211 * MOTOR, 230 VAC, 1/2 HP, 650 rpm 16U141 * PLATE, motor mount, black 24P951★ * KIT, GEAR REDUCER 24T892 MOTOR, assembly, pneumatic, includes: 111192 * SCREW, cap, flange head 11801 SCREW, cap, hex head 126994 * MOTOR, pneumatic, 4 hp 16U141 * PLATE, motor mount 24P951★ * KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 * SCREW, cap, flange head 113961 SCREW, cap, flange head 16W740 * MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 * ADAPTER, hydraulic motor ★ 24P951 KIT, gear reducer * PIN, dowel * BEARING, roller * SCREW, cap, socket head * BEARING, thrust * BEARING, needle, 37 mm od * WASHER, 1.43 in. x 1.188 in. x 0.063 in. * HOUSING, gearbox * COVER, housing, gearbox * SHAFT, output * GEAR, driven, second stage * GEAR, input drive * BEARING, thrust * GEAR, driving, second stage | | 24T890 | includes: | |
| 127211 rpm 16U141 | | 112785 | | 4 |
| 24P951❖ • KIT, GEAR REDUCER 24T892 MOTOR, assembly, pneumatic, includes: 111192 • SCREW, cap, flange head 126994 • MOTOR, pneumatic, 4 hp 16U141 • PLATE, motor mount 24P951❖ • KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 • SCREW, cap, flange head 13961 SCREW, cap, hex head 16W740 • MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 • ADAPTER, hydraulic motor ❖ 24P951 KIT, gear reducer • PIN, dowel • BEARING, roller • SCREW, cap, socket head • BEARING, thrust • BEARING, needle, 37 mm od • WASHER, 1.43 in. x 1.188 in. x 0.063 in. • HOUSING, gearbox • COVER, housing, gearbox • SHAFT, output • GEAR, driven, second stage • GEAR, input drive • BEARING, thrust • GEAR, driving, second stage | 26f | | rpm | 1 |
| 24T892 MOTOR, assembly, pneumatic, includes: 111192 • SCREW, cap, flange head 126994 • MOTOR, pneumatic, 4 hp 16U141 • PLATE, motor mount 24P951◆ • KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 • SCREW, cap, flange head 16W740 • MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 • ADAPTER, hydraulic motor ★ 24P951 KIT, gear reducer • PIN, dowel • BEARING, roller • SCREW, cap, socket head • BEARING, thrust • BEARING, needle, 37 mm od • WASHER, 1.43 in. x 1.188 in. x 0.063 in. • HOUSING, gearbox • COVER, housing, gearbox • SHAFT, output • GEAR, driven, second stage • GEAR, input drive • BEARING, thrust • BEARING, thrust • GEAR, driving, second stage | | | | 1 |
| 111192 SCREW, cap, flange head 111801 SCREW, cap, hex head 126994 MOTOR, pneumatic, 4 hp 16U141 PLATE, motor mount 24P951◆ KIT, GEAR REDUCER 10963 SCREW, cap, flange head 13961 SCREW, cap, flange head 13961 SCREW, cap, hex head 16W740 MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 ADAPTER, hydraulic motor 126963 ADAPTER, hydraulic motor FIN, dowel BEARING, roller SCREW, cap, socket head BEARING, thrust BEARING, needle, 37 mm od WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage GEA | | 24P951 � | • KIT, GEAR REDUCER | 1 |
| 111192 SCREW, cap, flange head 111801 SCREW, cap, hex head 126994 MOTOR, pneumatic, 4 hp 16U141 PLATE, motor mount 24P951◆ KIT, GEAR REDUCER 10963 SCREW, cap, flange head 13961 SCREW, cap, flange head 13961 SCREW, cap, hex head 16W740 MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 ADAPTER, hydraulic motor 126963 ADAPTER, hydraulic motor FIN, dowel BEARING, roller SCREW, cap, socket head BEARING, thrust BEARING, needle, 37 mm od WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage GEA | | | | |
| 111801 SCREW, cap, hex head 126994 MOTOR, pneumatic, 4 hp 16U141 PLATE, motor mount 24P951♦ KIT, GEAR REDUCER 110963 SCREW, cap, flange head 13961 SCREW, cap, hex head 16W740 MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 ADAPTER, hydraulic motor FIN, dowel BEARING, roller SCREW, cap, socket head BEARING, thrust BEARING, needle, 37 mm od WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage GEAR, driving, second s | | 24T892 | | |
| 126994 • MOTOR, pneumatic, 4 hp 16U141 • PLATE, motor mount 24P951◆ • KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 • SCREW, cap, flange head 16W740 • MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 • ADAPTER, hydraulic motor • PIN, dowel • BEARING, roller • SCREW, cap, socket head • BEARING, thrust • BEARING, needle, 37 mm od • WASHER, 1.43 in. x 1.188 in. x 0.063 in. • HOUSING, gearbox • COVER, housing, gearbox • SHAFT, output • GEAR, driven, second stage • GEAR, input drive • BEARING, thrust • GEAR, driving, second stage | | 111192 | SCREW, cap, flange head | 4 |
| 126994 | 26g | 111801 | SCREW, cap, hex head | 3 |
| 24P951 ◆ KIT, GEAR REDUCER 24T891 MOTOR, assembly, hydraulic, includes: 110963 • SCREW, cap, flange head 113961 SCREW, cap, hex head 16W740 • MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 • ADAPTER, hydraulic motor • PIN, dowel • BEARING, roller • SCREW, cap, socket head • BEARING, thrust • BEARING, needle, 37 mm od • WASHER, 1.43 in. x 1.188 in. x 0.063 in. • HOUSING, gearbox • COVER, housing, gearbox • SHAFT, output • GEAR, driven, second stage • GEAR, input drive • BEARING, thrust • GEAR, driving, second stage | | 126994 | MOTOR, pneumatic, 4 hp | 1 |
| 24T891 MOTOR, assembly, hydraulic, includes: 110963 * SCREW, cap, flange head 113961 SCREW, cap, hex head 16W740 * MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 * ADAPTER, hydraulic motor * VAP951 KIT, gear reducer | | 16U141 | PLATE, motor mount | 1 |
| 241891 includes: 110963 | | 24P951◆ | • KIT, GEAR REDUCER | 1 |
| 241891 includes: 110963 | | | | |
| 113961 SCREW, cap, hex head 16W740 * MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 * ADAPTER, hydraulic motor * 24P951 KIT, gear reducer * PIN, dowel * BEARING, roller * SCREW, cap, socket head * BEARING, thrust * BEARING, needle, 37 mm od * WASHER, 1.43 in. x 1.188 in. x 0.063 in. * HOUSING, gearbox * COVER, housing, gearbox * SHAFT, output * GEAR, driven, second stage * GEAR, input drive * BEARING, thrust * GEAR, driving, second stage | | 24T891 | | |
| 113961 SCREW, cap, hex head 16W740 * MOTOR, hydraulic, 14 HP, 755 rpm 101 126963 * ADAPTER, hydraulic motor * 24P951 KIT, gear reducer * PIN, dowel * BEARING, roller * SCREW, cap, socket head * BEARING, thrust * BEARING, needle, 37 mm od * WASHER, 1.43 in. x 1.188 in. x 0.063 in. * HOUSING, gearbox * COVER, housing, gearbox * SHAFT, output * GEAR, driven, second stage * GEAR, input drive * BEARING, thrust * GEAR, driving, second stage | 26h | 110963 | SCREW, cap, flange head | 4 |
| rpm 101 126963 • ADAPTER, hydraulic motor * 24P951 KIT, gear reducer • PIN, dowel • BEARING, roller • SCREW, cap, socket head • BEARING, thrust • BEARING, needle, 37 mm od • WASHER, 1.43 in. x 1.188 in. x 0.063 in. • HOUSING, gearbox • COVER, housing, gearbox • SHAFT, output • GEAR, driven, second stage • GEAR, input drive • BEARING, thrust • GEAR, driving, second stage | 2011 | 113961 | | 2 |
| * 24P951 KIT, gear reducer * PIN, dowel * BEARING, roller * SCREW, cap, socket head * BEARING, thrust * BEARING, needle, 37 mm od * WASHER, 1.43 in. x 1.188 in. x 0.063 in. * HOUSING, gearbox * COVER, housing, gearbox * SHAFT, output * GEAR, driven, second stage * GEAR, input drive * BEARING, thrust * GEAR, driving, second stage | | 16W740 | | 1 |
| PIN, dowel BEARING, roller SCREW, cap, socket head BEARING, thrust BEARING, needle, 37 mm od WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | 101 | 126963 | ADAPTER, hydraulic motor | 1 |
| BEARING, roller SCREW, cap, socket head BEARING, thrust BEARING, needle, 37 mm od WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | * | 24P951 | KIT, gear reducer | 1 |
| WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | • PIN, dowel | 2 |
| WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | BEARING, roller | 3 |
| WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | SCREW, cap, socket head | 8 |
| WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | BEARING, thrust | 3 |
| WASHER, 1.43 in. x 1.188 in. x 0.063 in. HOUSING, gearbox COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | BEARING, needle, 37 mm od | 2 |
| COVER, housing, gearbox SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | | 1 |
| SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | HOUSING, gearbox | 1 |
| SHAFT, output GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | COVER, housing, gearbox | 1 |
| GEAR, driven, second stage GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | | 1 |
| GEAR, input drive BEARING, thrust GEAR, driving, second stage | | | | 1 |
| BEARING, thrust GEAR, driving, second stage | | | | 1 |
| , 3, | | | • | 1 |
| | | | GEAR, driving, second stage | 1 |
| , , , , , , , , , , , , , , , , , , , | | | GEAR, driven, second stage | 1 |

Hose Kits

| David Na | Description |
|----------|-------------------------------------------------|
| | Description |
| | HOSE, coupled, 1.0 in. x 100 ft., oil |
| | HOSE, coupled, 2.0 in. x 33 ft., fuel |
| 127173 | HOSE, coupled, 1.5 in. x 50 ft., waste oil |
| | evacuation |
| 24T252 | HOSE, 1.0 in. x 150 ft., fuel |
| 24T253 | HOSE, 1.5 in. x 100 ft., fuel |
| | HOSE, 2 in. x 50 ft., fuel |
| | HOSE, coupled, 1/2 in. x 100 ft, air/water, npt |
| 126360 | HOSE, coupled, 3/4 in. x 75 ft, air/water, npt |
| | HOSE, coupled, 3/4 in. x 100 ft, air/water, npt |
| | HOSE, coupled, 1 in. x 50 ft, air/water, npt |
| | HOSE, coupled, 1/2 in. x 100 ft, oil, npt |
| | HOSE, coupled, 3/4 in. x 75 ft, oil, npt |
| 126377 | HOSE, coupled, 3/4 in. x 100 ft, oil, npt |
| 126503 | HOSE, coupled, 1 in. x 50 ft, oil, npt |
| 126379 | HOSE, coupled, 1 in. x 50 ft, waste oil |
| | evacuation, npt |
| 24R102 | HOSE, coupled, 1 in. x 50 ft, fuel, npt |
| 126363 | HOSE, coupled, 1 in. x 75 ft, air/water, npt |
| 126364 | HOSE, coupled, 1 in. x 100 ft, air/water, npt |
| 126504 | HOSE, coupled, 1 in. x 75 ft, oil, npt |
| 126380 | HOSE, coupled, 1.25 in. x 35 ft, waste oil |
| | evacuation, npt |
| 126688 | HOSE, coupled, 1.25 in. x 50 ft, waste oil |
| | evacuation, npt |
| | HOSE, coupled, 1 in. x 75 ft, fuel, npt |
| 24R106 | HOSE, coupled, 1 in. x 100 ft, fuel, npt |
| 24R108 | HOSE, coupled, 1.25 in. x 35 ft, fuel, npt |
| 24R110 | HOSE, coupled, 1.25 in. x 50 ft, fuel, npt |
| 24R114 | HOSE, coupled, 1.25 in. x 50 ft, fuel, npt |
| | |

Miscellaneous Kits

| Ref | Part No. | Description | Qty |
|------|----------|-----------------------------------|-----|
| 100 | 24R111 | KIT, inlet hose, 1 in., air/water | 1 |
| | | and oil, includes: | |
| 100a | | • FITTING, swivel, 1 in., MXF | 1 |
| 100b | | HOSE, coupled, 1 in. x 28 in., | 1 |
| | | oil | |
| 100 | 24R112 | KIT, inlet hose, 1 in., waste oil | 1 |
| | | evacuation, includes: | |
| 100a | | FITTING, swivel, 1 in. MXF | 1 |
| 100b | | HOSE, coupled, 1 in. x 28 in. WOE | 1 |

| Ref | Part No. | Description | Qty |
|--------------|----------|---------------------------------------------------------------------------------------|-----|
| 100 | 24R115 | KIT, inlet hose, 1 in., fuel, | 1 |
| 400- | 4 | includes: | |
| 100a | 4 | • FITTING, swivel, 1 in. MXF | 1 |
| 100b | | HOSE, coupled, 1 in. x 28 in. fuel | 1 |
| 100 | 24R117 | KIT, inlet hose, 1.5 in., fuel, includes: | 1 |
| 100a | † | • UNION, swivel, 1.5 in. npt | 1 |
| 100b | | • HOSE, coupled, 1.5 in. x 28 in. | 1 |
| | | fuel | |
| 100 | 24R118 | KIT, inlet hose, includes: | |
| 100a | | UNION, swivel, male 2.0 in. | 1 |
| 100b | | • HOSE, coupled, 2.0 in. x 28 in., fuel | 1 |
| 100 | 24T858 | KIT, inlet hose, 1.5 in. WOE, includes: | 1 |
| 100a | - | • UNION, swivel, 1.5 in. NPT | |
| 100a 100b | - | • HOSE, coupled, 1.5 in. x 28 in., | |
| | | WOE | |
| 101 | 126963 | KIT, adapter, hydraulic motor, included in kit 24T858 | 1 |
| | 24R067 | KIT, swivel, 1 in., includes 4, 6, 7 | 1 |
| | 24R068 | KIT, swivel, 1.5 in., includes, 4, 6, 7 | 1 |
| | 24R116 | KIT, swivel, 2 in., includes 4, 6, 7 | 1 |
| | 24R070 | KIT, repair, low pressure bearing, | |
| | 24R071 | inlet side, includes 4, 5, 8, KIT, repair, medium pressure | 1 |
| | 24K071 | bearing, inlet side, includes 4, 5, 8, 13-16 | ' |
| | | KIT, outlet, 1/2 in., npt, models | 1 |
| | 24R053 | XD 6010 and XD 8010, includes 17-19 | |
| | 24R055 | KIT, outlet, 3/4 in., npt, models XD 6010 and XD 8010, includes 17-19 | 1 |
| | 24R056 | KIT, outlet, 1 in., npt, models XD 6010 and XD 8010, includes 17-19 | 1 |
| | 24R057 | KIT, outlet, replacement, 1 in., npt, models XD 7010, includes 17-19 | 1 |
| | 24R058 | KIT, outlet, replacement, 1-1/4 in., npt, XD 7015, includes 17-19 | 1 |
| | 24R059 | KIT, outlet, replacement, 1.5 in., npt, used with XD 7015 models, includes 17-19 | 1 |
| | 24T339 | KIT, outlet replacement, 1.5 in., npt, used with XD 8015 models, includes 17-19 | 1 |

| Ref | Part No. | Description | Qty |
|-----|-----------------|---------------------------------------------------------------------------------------|-----|
| | 24T340 | KIT, outlet replacement, 2 in., npt, used with XD 7020 models, includes 17-19 | 1 |
| | 24T341 | KIT, outlet replacement, 2.0 in., npt, used with XD 8020 models, includes 17-19 | 1 |
| | 24T338 | KIT, power side shaft replacement, includes 9, 20 | 1 |
| | 24T432 | KIT, power side bearing replacement, includes 22-24 | 1 |
| | 24T857 | KIT, brake repair, includes 24, 33-39 | 1 |
| | 127214 | SWITCH, momentary, with cover | 1 |
| | 127217 | KIT, SWITCH, hazardous location, ON/OFF | 1 |
| | 127260 | COVER, explosion proof junction box | 1 |
| | 127261 | BASE, explosion proof box | 1 |
| | 127262 | BUTTON, hazardous location rated | 1 |
| | 127218 | BOX, outlet, hazardous location | 1 |
| | 127219 | CONTACT, 12 VDC, intermittent duty | 1 |
| | 127220 | CONTACT, 24 VDC intermittent duty | 1 |
| | 127221 | CIRCUIT BREAKER, 50 AMP | 1 |
| | 127222 | CIRCUIT BREAKER, 25 AMP | 1 |
| | 24T327◆ | KIT, SST fairlead, XD 60 | 1 |
| | 24T328◆ | KIT, SST fairlead, XD 70 | 1 |
| | 24T329 ♦ | KIT, SST fairlead, XD 80 | 1 |
| | | REEL, fairlead, non-roller | 1 |
| | | SCREW, cap, hex headNUT, hex, flange head | 4 |
| | | 1.10., 110%, 1141190 11044 | |

[◆] Parts not compatible with ball stops - 1/2 in. (PN222225), 3/4 in. (PN218341), and 1 in. (PN 237872).

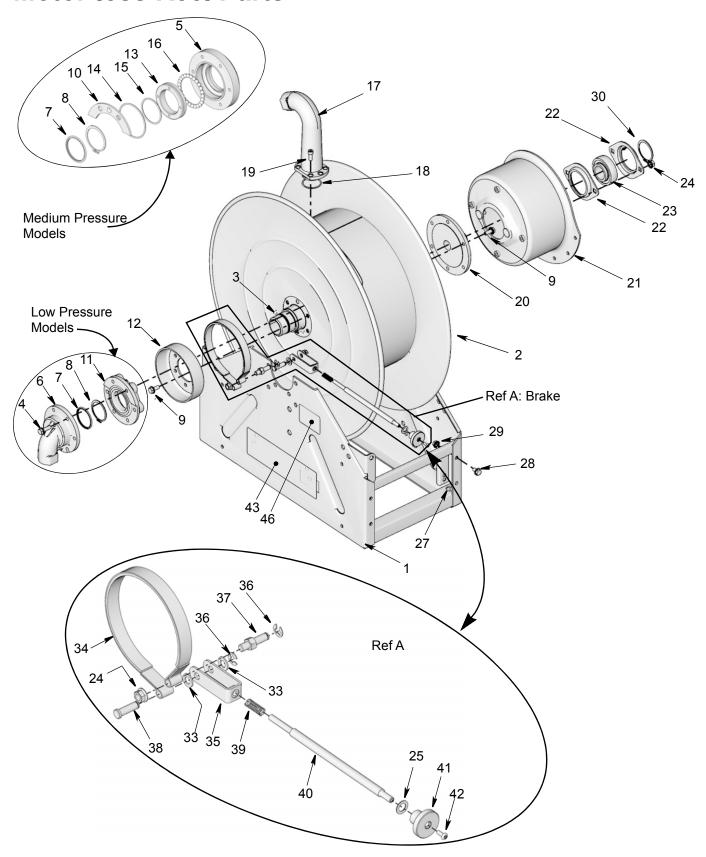
| Ref | Part No. | Description | Qty |
|-----|----------|------------------------------------|-----------------------|
| | 24R072 | KIT, roller guide with bracket, XD | 1 |
| | | 60 models | |
| | 24T330 | KIT, roller guide with bracket, XD | 1 |
| | | 70 models | |
| | 24T331 | KIT, roller guide with bracket, XD | 1 |
| | | 80 models | |
| | | SCREW, cap, flange head | 4 |
| | | NUT, hex, flange head | 8 |
| | | SCREW, cap, flange head | 4 |
| | | POST, corner | 4 |
| | | PLATE, roller | 1 |
| | | PIN, roller, short | 2 2 2 2 8 |
| | | TUBE, roller, short | 2 |
| | | PIN, roller, long | 2 |
| | | TUBE, roller, long | 2 |
| | | CAP, roller | |
| | 24T332◆ | KIT, arms, XD 60, with SST guide | |
| | 24T333◆ | KIT, arms, XD 70, with SST guide | 1 |
| | | • WASHER, plain | 4 |
| | | SCREW, cap, flange head | 12 |
| | | NUT, hex, flange head | 12 |
| | | REEL, fairlead, non-roller | 1 |
| | | SUPPORT, roller arm 1 | 1 |
| | | SUPPORT, roller arm 2 | 1 |
| | 24T334◆ | KIT, arms, XD 80, with SST guide | 1 |
| | | SCREW, cap, flange head | 12 |
| | | NUT, hex, flange head | 12 |
| | | REEL, fairlead, non-roller | 1 |
| | | SUPPORT, roller arm 1 | 1 |
| | | SUPPORT, roller arm 2 | 1 |
| | 24T335 | KIT, arms, XD 60, with roller | 1 |
| | | guide | |
| | 24T336 | KIT, arms, XD 70, with roller | 1 |
| | | guide | |
| | | • WASHER, plain | 4 |
| | | SCREW, cap, flange head | 12 |
| | | NUT, hex, flange head | 16 |
| | | SCREW, cap, flange head | 4 |
| | | POST, corner | 4 |
| | | SUPPORT, roller arm 1 | 1 |
| | | SUPPORT, roller arm 2 | 1 |
| | | PIN, roller, short | 2 |
| | | TUBE, roller, short | |
| | | PIN, roller, long | 2 |
| | | TUBE, roller, long | 2 |
| | | CAP, roller | 2 2 2 8 1 |
| | | PLATE, roller | 1 |
| | | , | <u> </u> |

| Ref | Part No. | • | Qty |
|-----|----------|-------------------------------------------------------------|----------------------------|
| | 24T337 | KIT, arms, XD 80, with roller | 1 |
| | | guide | <u> </u> |
| | | SCREW, cap, flange head NUT have flange head | 12 |
| | | • NUT, hex, flange head | 16 |
| | | SCREW, cap, flange head | 4 |
| | | • POST, corner | 1 |
| | | • SUPPORT, roller arm 1 | |
| | | SUPPORT, roller arm 2 | 1 |
| | | • PIN, roller, short | 2 |
| | | • TUBE, roller, short | 2 |
| | | • PIN, roller, long | 2 |
| | | TUBE, roller, long CAP, roller | 2 |
| | | • PLATE, roller | 2 2 2 2 8 1 |
| | 24T359 | KIT, BSPP conversion, 1 in. | 1 |
| | 241339 | LONG, XD 60 / XD 80 models | ' |
| | | • PACKING, o-ring | 1 |
| | | • SWIVEL, outlet, 1.0 in., mach, | 1 |
| | | BSPP | · ' |
| | | • ADAPTER, 1 in. NPT x 1 in. | 1 |
| | | BSPP | |
| | | • SCREW, 5/16-18 x 0.75 in. | 6 |
| | 24T360 | KIT, BSPT conversion, 1 in. | 1 |
| | | LONG, XD 60 / XD 80 models | |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 1.0 in., mach, | 1 |
| | | BSPT | |
| | | • ADAPTER, 1 in. NPT x 1 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 6 |
| | 24T361 | KIT, BSPP conversion, 1 in. | 1 |
| | | SHORT, XD 70 models | |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 1.0 in., mach, BSPP | 1 |
| | | • ADAPTER, 1 in. NPT x 1 in. BSPP | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 6 |
| | 24T362 | KIT, BSPT conversion, 1 in. | 1 |
| | | SHORT, XD 70 models | |
| | | PACKING, o-ring | 1 |
| | | • SWIVEL, outlet, 1.0 in., mach, BSPT | 1 |
| | | • ADAPTER, 1 in. NPT x 1 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 6 |

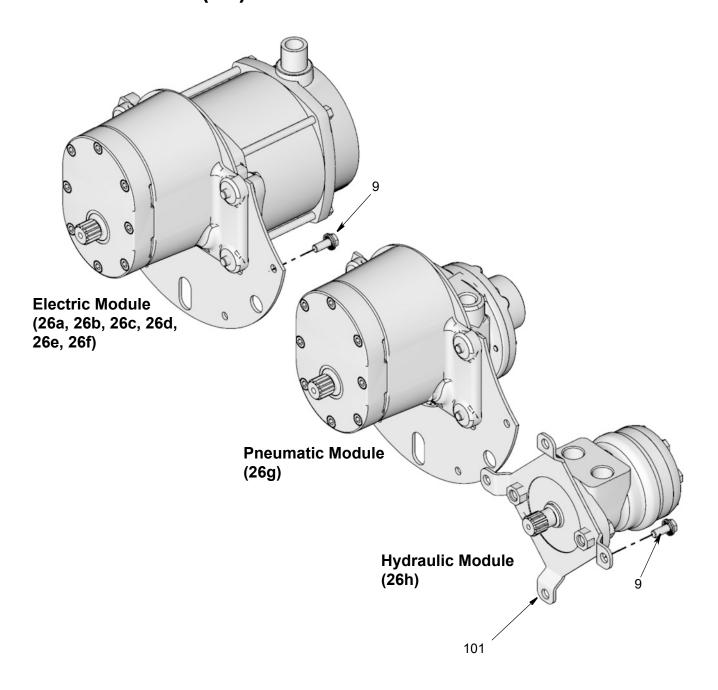
| Ref | Part No. | Description | Qty |
|-----|----------|-----------------------------------------------------|-----|
| | 24T363 | KIT, BSPP conversion, 1.5 in. | 1 |
| | | LONG, XD 80 models | |
| | | PACKING, o-ring | 1 |
| | | • SWIVEL, outlet, 1.5 in., BSPP | 1 |
| | | • ADAPTER, 1.5 in. NPT x 1.5 in. BSPP | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T364 | KIT, BSPT conversion, 1.5 in. LONG, XD 80 models | 1 |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 1.5 in., BSPT | 1 |
| | | • ADAPTER, 1.5 in. NPT x 1.5 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T365 | KIT, BSPP conversion, 1.5 in. | 1 |
| | | SHORT, XD 70 models | |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 1.5 in., BSPP | 1 |
| | | • ADAPTER, 1.5 in. NPT x 1.5 in. BSPP | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T366 | KIT, BSPT conversion, 1.5 in. | 1 |
| | | SHORT, XD 70 models | |
| | | PACKING, o-ring | 1 |
| | | • SWIVEL, outlet, 1.5 in., BSPT | 1 |
| | | • ADAPTER, 1.5 in. NPT x 1.5 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T367 | KIT, BSPT conversion, 2 in. LONG, XD 80 models | 1 |
| | | PACKING, o-ring | 1 |
| | | • SWIVEL, outlet, 2 in., BSPT | 1 |
| | | • ADAPTER, 2 in. NPT x 2 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T368 | KIT, BSPT conversion, 2 in. SHORT, XD 70 models | 1 |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 2 in., BSPT | 1 |
| | | • ADAPTER, 2 in. NPT x 2 in. BSPT | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 24T855 | KIT, BSPP conversion, 2 in. LONG, XD 80 models | 1 |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 2 in., BSPP | 1 |
| | | • ADAPTER, 2 in. NPT x 2 in. BSPP | 1 |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |

| Ref | Part No. | Description | Qty |
|-----|----------|------------------------------------------------------|-----|
| | 24T856 | KIT, BSPP conversion, 2 in. | 1 |
| | | SHORT, XD 70 models | |
| | | PACKING, o-ring | 1 |
| | | SWIVEL, outlet, 2 in., BSPP | 1 |
| | | • ADAPTER, 2 in. NPT x 2 in. | 1 |
| | | BSPP | |
| | | • SCREW, 5/16-18 x 0.75 in. | 4 |
| | 127224 | CONTROL, hydraulic, 12V | 1 |
| | | VALVE, poppet, 2 way | 1 |
| | | VALVE, poppet, 2 way | 1 |
| | | VALVE, spool, pressure | 1 |
| | | reducing | |
| | | VALVE, cartridge, flow regulator | 1 |
| | | LATCH, mounting | 1 |
| | | SWITCH, hydraulic selector | 1 |
| | | BLOCK, contact | 2 |
| | 127225 | CONTROL, hydraulic, 24V | 1 |
| | | VALVE, poppet, 2 way | 1 |
| | | VALVE, poppet, 2 way | 1 |
| | | VALVE, spool, pressure | 1 |
| | | reducing | |
| | | VALVE, cartridge, flow regulator | 1 |
| | | LATCH, mounting | 1 |
| | | SWITCH, hydraulic selector | 1 |
| | | BLOCK, contact | 2 |
| | 24U118 | KIT, switch, hydraulic | 1 |
| | 218341 | KIT, ball stop, 3/4 in. OD | 1 |
| | 222225 | KIT, ball stop, 1/2 in. OD | 1 |
| | 237872 | KIT, ball stop, 1 in. OD | 1 |
| | 24R060 | KIT, ball stop, 1-3/4 in. OD | 1 |
| | 24R061 | KIT, ball stop, 2 in. OD | 1 |
| | 127271 | CONTROL, pneumatic | 1 |

Motor-less Reel Parts



Motor Module (26)



Technical Data

| XD 60, XD 70, XD 80 Power Rewind Hose Reels | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|--|--|
| | US | Metric | | |
| Maximum Service Fluid Working Pressure | See Models Table, page 2 | | | |
| Operating Temperatu | ire | | | |
| Motor-less Reels | -40°F to 180°F | -40°C to 82°C | | |
| Air / Water Applications | -40°F to 180°F | -40°C to 82°C | | |
| Waste Oil Evacuation Applications | -40°F to 180°F | -40°C to 82°C | | |
| Oil Applications | -40°F to 180°F | -40°C to 82°C | | |
| Grease Applications | 0°F to 180°F | -17.8°C to 82°C | | |
| Diesel Fuel Applications | -40°F to 140°F | -40°C to 60°C | | |
| Inlet/Outlet Siz | es | | | |
| XD 6010 / 7010 / 8010 | 1 in. npt(f) | | | |
| XD 7015 / 8015 | 1-1/2 in. npt(f) | | | |
| XD 8020 | 2 in. npt(f) | | | |
| Materials of Construction | | | | |
| Reel wetted materials nickel plated cast iron, cast iron, Buna-N rubber, polyethylene | | | | |
| Weight: See Tables, page 52 and 54 | | | | |
| Noise (dB | sa) | | | |
| Electric and Hydraulic Motors Sound Pressure Level† | | | | |
| Pneumatic Motors Sound Pressure Level† | ound Pressure Level† 84.6 dBa | | | |
| Pneumatic Motors Sound Power Level‡ 89.9 dBa | | | | |
| Notes | | | | |
| † Measured at a distance of 1 meter from measurements taken per ISO 9614-2 @ an assumed retraction/extension rate of 20 spool revolutions per minute. | | | | |
| ‡ Measured per ISO 9614-2 @ an assumed retraction/extension rate of 20 spool revolutions per minute. | | | | |

| Electric Motors: 12 VDC, 1/2 hp | | | | |
|---------------------------------|---------|--------|--|--|
| | US | Metric | | |
| Operating Voltage | 12 VDC | | | |
| Rating Current | 53 Amps | | | |
| Rated Speed | 650 RPM | | | |
| Rated Power | 0.5 hp | 0.4 kw | | |

| Electric Motors: 24 VDC, 1/2 hp | | | |
|---------------------------------|---------|--------|--|
| | US | Metric | |
| Operating Voltage | 24 VDC | | |
| Rating Current | 26 Amps | | |
| Rated Speed | 650 RPM | | |
| Rated Power | 0.5 hp | 0.4 kw | |

| Electric Motors: 12 VDC, 2/3 hp | | | |
|---------------------------------|---------|--------|--|
| | US | Metric | |
| Operating Voltage | 12 VDC | | |
| Rating Current 75 Amps | | | |
| Rated Speed 500 RPM | | | |
| Rated Power | 0.67 hp | 0.5 kw | |

| Electric Motors: 24 VDC, 2/3 hp | | | |
|---------------------------------|---------|--------|--|
| | US | Metric | |
| Operating Voltage | 24 VDC | | |
| Rating Current | 38 Amps | | |
| Rated Speed | 500 RPM | | |
| Rated Power | 0.67 hp | 0.5 kw | |

| Electric Motors: 115 VAC, 2/5 hp | | | |
|----------------------------------|----------|--------|--|
| | US | Metric | |
| Operating Voltage | 115 VAC | | |
| Frequency | 50/60 Hz | | |
| Rating Current | 6.5 Amps | | |
| Rated Speed | 500 RPM | | |
| Rated Power | 0.4 hp | 0.3 kw | |

| Electric Motors: 230 VAC, 1/2 hp | | | |
|----------------------------------|----------|--------|--|
| | US | Metric | |
| Operating Voltage | 230 VAC | | |
| Frequency | 50/60 Hz | | |
| Rating Current | 3.7 Amps | | |
| Rated Speed | 650 RPM | | |
| Rated Power | 0.5 hp | 0.4 kw | |

| Pneumatic Motors | | | |
|-------------------------------|----------------------------|----------------------------------------------------|--|
| | US | Metric | |
| Maximum Working Pressure | 100 psi | 6.7 bar, 0.7 MPa | |
| Inlet/Outlet | 1/2 in. npt | 1/2 in. npt | |
| Recommended Flow and Pressure | 30 cfm @ 100 psi | 0.85 m ³ /minute @ 6.7 bar, 0.7 MPa | |
| Wetted Materials | steel, cast iron, para-ara | steel, cast iron, para-aramid fiber, Buna-N rubber | |

| Pneumatic Control (PN 127271) | | | | |
|-------------------------------|------------------------------------------|-------------------|--|--|
| | US | Metric | | |
| Maximum Working Pressure | 200 psi | 13.8 bar, 1.3 MPa | | |
| Temperature | 0°F to 120°F | -17°C to 49°C | | |
| Port Size | 3/8 in. npt | | | |
| Wetted Materials | designed for compressed air applications | | | |

| Hydraulic Motors | | | | |
|--------------------------------------------------|-------------------------------|-----------------------------------|--|--|
| | US | Metric | | |
| Maximum working pressure | 2000 psi | 137.9 bar, 13.8 MPa | | |
| Inlet/Outlet | 7/8-14 UNF (o-ring boss port) | | | |
| Recommended Flow and Pressure | 1 gpm @ 2000 psi | 3.79 lpm @ 137.9 bar, 13.8 MPa | | |
| Wetted materials steel, cast iron, Buna-N rubber | | iron, Buna-N rubber | | |
| Recommended Hydraulic Fluid Filtration | 0.4 mil | 10 microns | | |

| Hydraulic Control (PN 127224, 127225) | | | | |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|--|--|
| | US | Metric | | |
| Maximum Working Pressure | 3000 psi | 206.8 bar, 20.6 MPa | | |
| Regulated Pressure Range | 0 to 2000 psi | 0 to 137.9 bar, 13.79 MPa | | |
| Regulated Flow Rate | 0 to 3.5 gpm | 0 to 13.25 lpm | | |
| Temperature | -40°F to 180°F | -40°C to 82°C | | |
| Port Size | SAE-8 | | | |
| Solenoid Power Consumption | 15-20W | | | |
| Wetted Materials | anodized aluminum, steel, zinc plated steel, Buna-N rubber, tetrafluoro ethylene, polyester elastomer | | | |

Weights

Motor-less Reels

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24T104 24T105 24T106 | XD 6010, LP | 87 | 39 |
| 24T107 24T108 24T109 | XD 6010, MP | 88 | 39 |
| 24T110 24T111 24T112 | XD 7010, LP | 86 | 39 |
| 24T113 24T114 24T115 | XD 7010, MP | 87 | 39 |
| 24T116 24T117 24T118 | XD 7015, LP | 87 | 39 |
| 24T119 24T120 24T121 | XD 7020, LP | 91 | 41 |
| 24T122 24T123 24T124 | XD 8010, LP | 127 | 57 |
| 24T125 24T126 24T127 | XD 8010, MP | 129 | 58 |
| 24T128 24T129 24T130 | XD 8015, LP | 129 | 58 |
| 24T131 24T132 24T133 | XD 8020, LP | 133 | 60 |

Pneumatic Reels

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R419 24R420 24R421 | XD 6010, LP | 123 | 55 |
| 24R434 24R435 24R436 | XD 6010, MP | 125 | 56 |
| 24R449 24R450 24R451 | XD 7010, LP | 122 | 55 |

| Model | Description | US (lbs) | Metric |
|--------|-------------|----------|--------|
| 24R464 | | | |
| 24R465 | XD 7010, MP | 124 | 56 |
| 24R466 | | | |
| 24R516 | | | |
| 24R517 | XD 7015, LP | 124 | 56 |
| 24R518 | | | |
| 24T023 | | | |
| 24T024 | XD 7020, LP | 128 | 58 |
| 24T025 | | | |
| 24R531 | | | |
| 24R532 | XD 8010, LP | 164 | 74 |
| 24R533 | | | |
| 24R546 | | | |
| 24R547 | XD 8010, MP | 165 | 74 |
| 24R548 | | | |
| 24R561 | | | |
| 24R562 | XD 8015, LP | 165 | 74 |
| 24R563 | | | |
| 24R576 | | | |
| 24R577 | XD 8020, LP | 169 | 76 |
| 24R578 | | | |

Hydraulic Reels

| Model | Description | US (lbs) | Metric |
|--------|-------------|----------|--------|
| 24R414 | | | |
| 24R415 | XD 6010, LP | 101 | 45 |
| 24R416 | | | |
| 24R431 | | | |
| 24R432 | XD 6010, MP | 103 | 46 |
| 24R433 | | | |
| 24R446 | | | |
| 24R447 | XD 7010, LP | 100 | 45 |
| 24R448 | | | |
| 24R461 | | | |
| 24R462 | XD 7010, MP | 102 | 46 |
| 24R463 | | | |
| 24R512 | | | |
| 24R513 | XD 7015, LP | 102 | 46 |
| 24R514 | | | |
| 24T020 | | | |
| 24T021 | XD 7020, LP | 106 | 48 |
| 24T022 | | | |
| 24R528 | | | |
| 24R529 | XD 8010, LP | 142 | 64 |
| 24R530 | | | |

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R543 24R544 24R545 | XD 8010, MP | 143 | 64 |
| 24R558 24R559 24R560 | XD 8015, LP | 143 | 64 |
| 24R573 24R574 24R575 | XD 8020, LP | 147 | 66 |

12V Reels

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R404 24R405 24R406 | XD 6010, LP | 133 | 60 |
| 24R422 24R423 24R424 | XD 6010, MP | 134 | 60 |
| 24R437 24R538 24R539 | XD 7010, LP | 132 | 59 |
| 24R452 24R453 24R454 | XD 7010, MP | 133 | 60 |
| 24R503 24R504 24R505 | XD 7015, LP | 133 | 60 |
| 24T011 24T012 24T013 | XD 7020, LP | 137 | 62 |
| 24R519 24R520 24R521 | XD 8010, LP | 173 | 78 |
| 24R534 24R535 24R536 | XD 8010, MP | 175 | 79 |
| 24R549 24R550 24R551 | XD 8015, LP | 175 | 79 |
| 24R564 24R565 24R566 | XD 8020, LP | 179 | 81 |

24V Reels

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R407 24R408 24R409 | XD 6010, LP | 133 | 60.3 |
| 24R425 24R426 24R427 | XD 6010, MP | 134 | 60 |
| 24R440 24R441 24R442 | XD 7010, LP | 132 | 59 |
| 24R455 24R456 24R457 | XD 7010, MP | 133 | 60 |
| 24R506 24R507 24R508 | XD 7015, LP | 133 | 60 |
| 24T014 24T015 24T016 | XD 7020, LP | 137 | 62 |
| 24R522 24R523 24R524 | XD 8010, LP | 173 | 78 |
| 24R537 24R538 24R539 | XD 8010, MP | 175 | 79 |
| 24R552 24R553 24R554 | XD 8015, LP | 175 | 79 |
| 24R567 24R568 24R569 | XD 8020, LP | 179 | 81 |

115AC Reels

| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R410 24R411 24R412 | XD 6010, LP | 133 | 60 |
| 24R428 24R429 24R430 | XD 6010, MP | 134 | 60 |
| 24R443 24R444 24R445 | XD 7010, LP | 132 | 59 |
| 24R458 24R459 24R460 | XD 7010, MP | 133 | 60 |

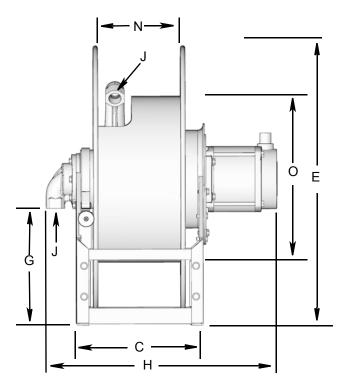
| Model | Description | US (lbs) | Metric |
|----------------------------|-------------|----------|--------|
| 24R509 24R510 24R511 | XD 7015, LP | 133 | 60 |
| 24T017 24T018 24T019 | XD 7020, LP | 137 | 62 |
| 24R525 24R526 24R527 | XD 8010, LP | 173 | 78 |
| 24R540 24R541 24R542 | XD 8010, MP | 175 | 79 |
| 24R555 24R556 24R557 | XD 8015, LP | 175 | 79 |
| 24R570 24R571 24R572 | XD 8020, LP | 179 | 81 |

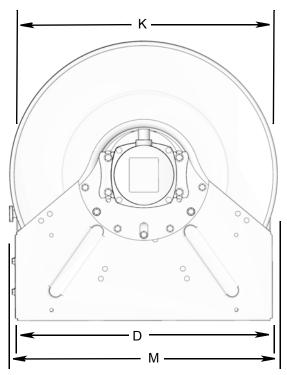
230AC Reels

| Model | Description | US (lbs) | Metric (kg) |
|----------------------------|-------------|----------|-------------|
| 24T207 24T208 24T209 | XD 6010, LP | 133 | 60 |
| 24T210 24T211 24T212 | XD 6010, MP | 134 | 60 |

| Model | Description | US (lbs) | Metric (kg) |
|----------------------------|-------------|----------|-------------|
| 24T213 24T214 24T215 | XD 7010, LP | 132 | 59 |
| 24T218 24T219 24T220 | XD 7010, MP | 133 | 60 |
| 24T221 24T222 24T223 | XD 7015, LP | 133 | 60 |
| 24T224 24T225 24T226 | XD 7020, LP | 137 | 62 |
| 24T227 24T228 24T229 | XD 8010, LP | 173 | 78 |
| 24T230 24T231 24T232 | XD 8010, MP | 175 | 79 |
| 24T233 24T234 24T235 | XD 8015, LP | 175 | 79 |
| 24T236 24T237 24T238 | XD 8020, LP | 179 | 81 |

Dimensions (inches)



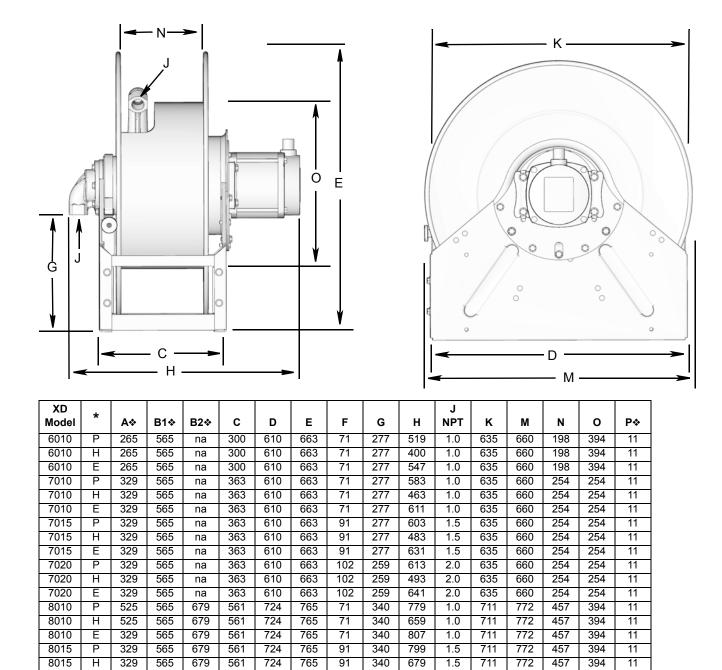


| XD | * | | | | | | | | | | J | | | | | |
|-------|---|-------|-------------|-------------|------|------|------|-----|------|------|-----|------|------|------|------|-------|
| Model | ^ | A* | B1 ∻ | B2 ∻ | С | D | E | F | G | Н | NPT | K | M | N | 0 | P❖ |
| 6010 | Р | 10.45 | 22.25 | na | 11.8 | 24.0 | 26.1 | 2.8 | 10.9 | 20.4 | 1.0 | 25.0 | 26.0 | 7.8 | 15.5 | 0.437 |
| 6010 | Н | 10.45 | 22.25 | na | 11.8 | 24.0 | 26.1 | 2.8 | 10.9 | 15.7 | 1.0 | 25.0 | 26.0 | 7.8 | 15.5 | 0.437 |
| 6010 | Е | 10.45 | 22.25 | na | 11.8 | 24.0 | 26.1 | 2.8 | 10.9 | 21.6 | 1.0 | 25.0 | 26.0 | 7.8 | 15.5 | 0.437 |
| 7010 | Р | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 2.8 | 10.9 | 22.9 | 1.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7010 | Н | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 2.8 | 10.9 | 18.2 | 1.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7010 | Е | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 2.8 | 10.9 | 24.1 | 1.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7015 | Р | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 3.6 | 10.9 | 23.7 | 1.5 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7015 | Н | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 3.6 | 10.9 | 19.0 | 1.5 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7015 | Е | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 3.6 | 10.9 | 24.8 | 1.5 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7020 | Р | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 4.0 | 10.2 | 24.1 | 2.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7020 | Н | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 4.0 | 10.2 | 19.4 | 2.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 7020 | Е | 12.95 | 22.25 | na | 14.3 | 24.0 | 26.1 | 4.0 | 10.2 | 25.2 | 2.0 | 25.0 | 26.0 | 10.0 | 10.0 | 0.437 |
| 8010 | Р | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 2.8 | 13.4 | 30.7 | 1.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8010 | Н | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 2.8 | 13.4 | 26.0 | 1.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8010 | Е | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 2.8 | 13.4 | 31.8 | 1.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8015 | Р | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 3.6 | 13.4 | 31.4 | 1.5 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8015 | Н | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 3.6 | 13.4 | 26.7 | 1.5 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8015 | Е | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 3.6 | 13.4 | 32.5 | 1.5 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8020 | Р | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 4.0 | 12.7 | 31.9 | 2.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8020 | Н | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 4.0 | 12.7 | 27.1 | 2.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |
| 8020 | Е | 20.68 | 22.25 | 26.73 | 22.1 | 28.5 | 30.1 | 4.0 | 12.7 | 33.0 | 2.0 | 28.0 | 30.4 | 18.0 | 15.5 | 0.437 |

^{*} Power Source: P = Pneumatic; H = Hydraulic; E = Electric

[♦] See Mounting Hole Pattern, page 57

Dimensions (mm)



1.5

2.0

2.0

2.0

❖ See Mounting Hole Pattern, page 57

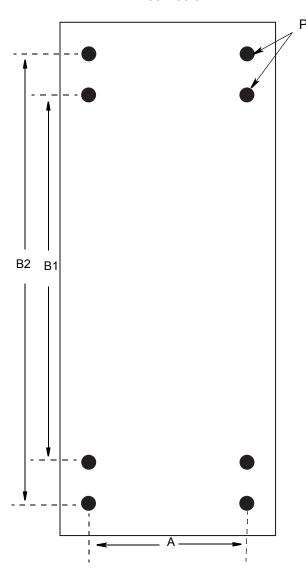
^{*} Power Source: P = Pneumatic; H = Hydraulic; E = Electric

Mounting Hole Pattern

XD60 / XD 70 Reels

B1

XD 80 Reels



Graco XD 60 / XD 70 / XD 80 Hose Reel Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended or limited warranty published by Graco, Graco will, for a period as defined in the table below from the date of sale, repair or replace equipment covered by this warranty and determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

| Component | Warranty Period | | | |
|-----------------------------------------------------------------------------------------------------------------|-----------------|--|--|--|
| Wear parts, including but not limited to: hose, swivel seals, roller guide, bearings, latch, gear drive, motors | 12 months | | | |
| Hose reel frame: welded base and spool only | 84 months | | | |

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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