

# Repair Parts for Xtreme '" and XP Xtreme 180cc Lowers

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#### **Important Safety Instructions**

Read all warnings and instructions in this manual and in 311762 before using the equipment. Save all instructions.

### 25D235 Seal Full Repair Kit - Graco Formulated UHMWPE/Leather

(Abrasive Applications)

#### 25D245 Seal Full Repair Kit - PTFE

(Chemical Resistance and Higher Temperatures)

### 25D259 Seal Full Repair Kit - Graco Formulated UHMWPE/PTFE

(Chemical Resistance and Durability Below 140° F (60° C)

#### **Bulk Pack Replacement Parts**

Torque to 115-135 ft-lb (155-182 N•m).

Torque to 125 ft-lb (169 N•m).

Torque to 135-150 ft-lb (183-203 N•m).

A Torque to 40-60 ft-lb (52-82 N•m).

Apply lubricant to threads before assembly.

Lubricate.

Circular grooves on top filter caps (not included) indicates pump series. See page 3 for detailed information.

8. Thick, medium, and thin refers to the relative cross-section thickness of the o-rings.

Inlet spring (143) is only used in XP proportioner pumps. If using this kit to repair a lower used on the XM PFP system, do not use spring (143). Discard the spring.

NOTE: Non-filter models do not use items 122, 125, and 159. L18AC0 model —119\* -112\* medium ⇑⇘ 109\* See appropriate throat packing repair kit on page 2. 123 \_127 **}**117 127 127\* thin thin 116\* 127\* ᠕ 127\* thin thin 117 127 127\* <sub>thin</sub> thin See appropriate piston packing repair kit on page 2. 122\* 🛕 A 6 125\* t thin ti32085a 4

### **Bulk Pack Replacement Parts**

| Ref. | Part   | Description                             | Qty. |
|------|--------|---|------|
| 103* |        | THROAT PACKINGS                         | 1    |
| 104* |        | PISTON PACKINGS                         | 1    |
| 109* | 244892 | O-RING, PTFE, top cylinder; medium      | 1    |
|      |        | (10/pack)                               |      |
| 112* | 253029 | BALL, piston, 3/4 in. (19 mm)           | 1    |
|      |        | diameter (3/pack)                       |      |
| 116* | 245128 | BALL, inlet, 1-1/4 in. (32 mm) diameter | 1    |
|      |        | (3/pack)                                | _    |
| 117  | 244855 | SHIM, inlet, ball guide (9/pack)        | 3    |
| 119* | 244996 | PLUG, throat seal, 1.75 in. (10/pack)   | 1    |
| 119  | 247394 | PLUG, throat seal 2.5 in.               | 1    |
|      |        | (10/pack)                               |      |
| 122* | 244895 | O-RING, filter; thin, PTFE              | 1    |
|      |        | (10/pack)                               |      |
| 123  | 238436 | STRAINER, 30 mesh screen,               | 1    |
|      |        | 5.65 in. (143.5 mm) (25/pack)           | 4    |
| 123  | 224458 | STRAINER, 30 mesh screen.               | 1    |
|      |        | 5.65 in. (143.5 mm) (2/pack)            | 1    |
| 123  | 238438 | STRAINER, 60 mesh screen.               | ı    |
|      |        | 5.65 in. (143.5 mm) (25/pack)           | 1    |
| 123  | 224459 | STRAINER, 60 mesh screen,               |      |
| 405* | 000404 | 5.65 in. (143.5 mm) (2/pack)            | 1    |
| 125* | 262484 | O-RING, filter; medium, PTFE (10/pack)  | 1    |
| 407* | 244896 | For Series A pumps (10/pack)            | 5    |
| 127* | 244890 | O-RING, PTFE, thin (10/pack)            | 1    |
| 143* | 116801 | SPRING, foot valve; 262792 only         | 1    |
| 159* | 262483 | O-RING, top cap; PTFE (10 pack)         | -    |
|      | 244895 | For Series A pumps (10/pack)            | 1    |

Included in Seal Repair Kits.

Thick, medium, and thin refers to the relative cross-section thickness of the o-rings.

NOTE: The L18AC0 model uses a 30 mesh filter.

### Full Repair Kit - PTFE - \*25D245

**Throat Packings:** 

(\*Includes items shown in Replacement Parts table. **NOTE:** Throat and piston packings are the same.)

**Piston Packings:** 

| Lips Face Down |          |               | Lips Face Up |            |
|----------------|----------|---------------|--------------|------------|
| 103b —         |          | white<br>103e | 104a—        | white 104e |
| 103a—          | <b>-</b> |               | 104b—        |            |
| 103f           | ti32086a |               | 10-70        |            |

**Lubricate Packings** 

### Throat Seal Repair Kit - PTFE - 25D152

#### Includes:

| Ref. | Description                     | Qty. |
|------|---------------------------------|------|
| 103a | GLAND, male, throat             | 1    |
| 103b | GLAND, female, throat           | 1    |
| 103e | V-PACKING, PTFE, throat (white) | 7    |
| 103f | WAVE SPRING                     | 1    |

### Piston Seal Repair Kit - PTFE - 25D162

#### Includes:

| Ref. | Description                     | Qty. |
|------|---------------------------------|------|
| 104a | GLAND, male, piston             | 1    |
| 104b | GLAND, female, piston           | 1    |
| 104e | V-PACKING, PTFE, piston (white) | 5    |

2 406891L

<sup>†</sup> See page 3 to match correct o-ring with pump series. Discard unused o-rings; they do not fit different series pumps.

# Full Repair Kit - Graco Formulated UHMWPE/Leather - \*25D235

(\*Includes items shown in Replacement Parts table. **NOTE:** Throat and piston packings are the same.)

#### **Throat Packings: Piston Packings: Lips Face Down Lips Face Up** 103b-104a- $\nabla$ red leather red $\nabla$ 103d4 103c 104c 104d $\nabla$ <u></u> <u></u> V <u></u> <u></u> 103a 104b -Ø 103f

#### **Lubricate Packings**

(soak leather packings in oil for 1 hour)

# Throat Seal Repair Kit - Graco Formulated UHMWPE/Leather - 25D135

#### Includes:

| Ref. Description                     | Qty. |
|--------------------------------------|------|
| 103a GLAND, male, throat             | 1    |
| 103b GLAND, female, throat           | 1    |
| 103c V-PACKING, leather, throat      | 3    |
| 103d V-PACKING, UHMWPE, throat (red) | 4    |
| 103f WAVE SPRING                     | 1    |

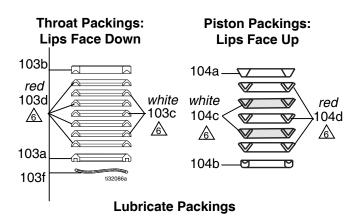
# Piston Seal Repair Kit - Graco Formulated UHMWPE/Leather - 25D142

#### Includes:

| Description                     | Qty.   |
|---------------------------------|--|
| GLAND, male, piston             | 1  |
| GLAND, female, piston           | 1  |
| V-PACKING, leather, piston      | 2  |
| V-PACKING, UMPWPE, piston (red) | 3  |
|                                 | Description GLAND, male, piston GLAND, female, piston V-PACKING, leather, piston V-PACKING, UMPWPE, piston (red) |

# Full Repair Kit - Graco Formulated UHMWPE/PTFE - \*25D259

(\*Includes items shown in Replacement Parts table. **NOTE:** Throat and piston packings are the same.)



# Throat Seal Repair Kit - Graco Formulated UHMWPE/PTFE - 25D176

#### Includes:

| Ref. | Description                     | Qty. |
|------|---------------------------------|------|
| 103a | GLAND, male, throat             | 1    |
| 103b | GLAND, female, throat           | 1    |
| 103c | V-PACKING, PTFE, throat (white) | 3    |
| 103d | V-PACKING, UHMWPE, throat (red) | 4    |
| 103f | WAVE SPRING                     | 1    |
|      |                                 |      |

# Piston Seal Repair Kit - Graco Formulated UHMWPE/PTFE - 25D190

#### Includes:

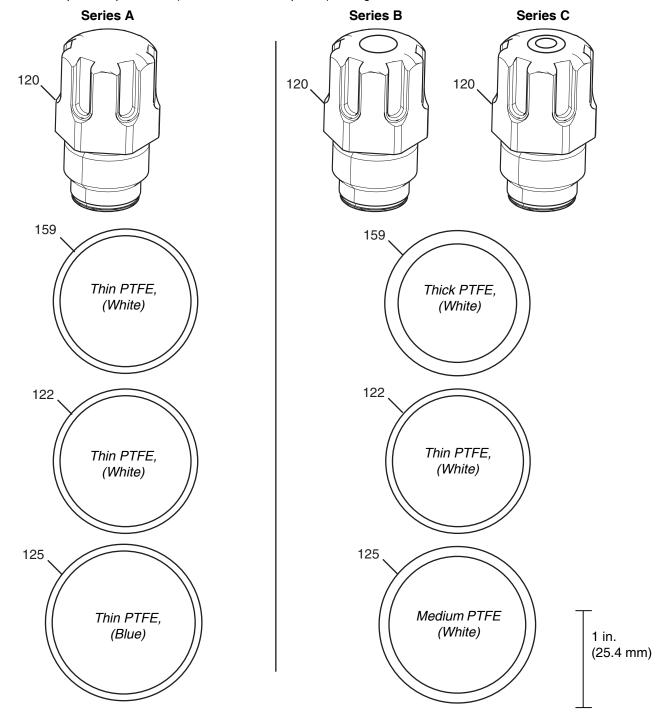
| Ref. | Description                     | Qty. |
|------|---------------------------------|------|
| 104a | GLAND, male, piston             | 1    |
| 104b | GLAND, female, piston           | 1    |
| 104c | V-PACKING, PTFE, piston (white) | 2    |
| 104d | V-PACKING, UHMWPE, piston (red) | 3    |

406891L 3

### **O-ring Chart**

The pump series for all Xtreme and XP lowers are identified by the circular grooves on the top filter cap. Use the chart below to match the correct o-rings when rebuilding the pump. The original filter cap seals were changed in 2010 for improved sealing. The o-rings are not interchangeable between different series filter caps. See **24F975 Filter Cap Conversion Kit**, page 4.

Note: The top filter cap is shown (not included in the repair kit). O-rings below are shown at actual size.



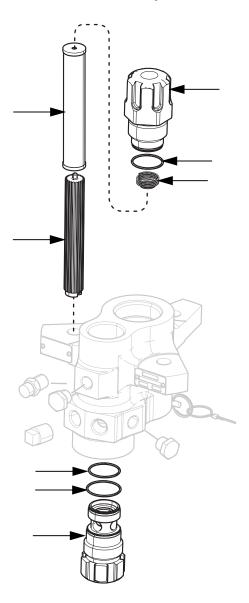
4 406891L

### 24F975 Filter Cap Conversion Kit

Purchase **24F975 Filter Cap Conversion Kit** to improve sealing of Series A filters. Includes components shown. See manual 406882 for more information.

#### Benefits:

- Compatible with all sizes.
- Improves sealing
- Ensures filters are installed correctly



406891L 5

All written and visual data contained in this document reflects the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

Original instructions. This manual contains English. MM
Graco Headquarters: Minneapolis
International Offices: Belgium, China, Japan, Korea

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