

# Triumph

## Electric Mid-Range, High-Flo 4-Ball Piston Pump

### Ordering Information

1. Select appropriate pump size (Triumph 200, 250 or 350) based on pressure and flow requirements of the application. Refer to Triumph 200, 250 and 350 pump performance charts.
2. Select appropriate motor type (100-240 VAC single-phase or 240-480 VAC three-phase) based on electrical installation requirements.
3. Select lower displacement pump construction (carbon steel or stainless steel) based on the corrosive and chemical characteristics of the fluid to be handled.
4. Select appropriate displacement rod and cylinder construction (if applicable) based on the corrosive and chemical characteristics of the fluid to be handled.
5. Order pump part number.

**Pump part number includes motor and lower displacement pump**

| Pump part number            | Triumph 200<br>239482 | Triumph 200<br>239485 | Triumph 200<br>239488 | Triumph 200<br>239491 |
|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Electric motor/reciprocator | 239658                | 239658                | 239659                | 239659                |
| Operating voltage           | 100-240 VAC           | 100-240 VAC           | 240-480 VAC           | 240-480 VAC           |
| Power cycles                | 50/60Hz single-phase  | 50/60Hz single-phase  | 50/60Hz three-phase   | 50/60Hz three-phase   |
| Lower displacement pump     | 239838                | 239835                | 239838                | 239835                |
| Construction                | SST                   | CS                    | SST                   | CS                    |
| Piston seal construction    | UHMWPE                | UHMWPE                | UHMWPE                | UHMWPE                |
| Throat seal construction    | UHMWPE/Leather        | UHMWPE/Leather        | UHMWPE/Leather        | UHMWPE/Leather        |

**Replacement Parts Ordering Information**

|                           |                |                |                |                |
|---------------------------|----------------|----------------|----------------|----------------|
| Standard piston seal kit  | 220587         | 220587         | 220587         | 220587         |
| Construction              | UHMWPE         | UHMWPE         | UHMWPE         | UHMWPE         |
| Optional piston seal kit  | 224936         | 224936         | 224936         | 224936         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         |
| Standard throat seal kit  | 239872         | 239872         | 239872         | 239872         |
| Construction              | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather |
| Optional throat seal kit  | 239866         | 239866         | 239866         | 239866         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         |
| Optional throat seal kit  | 239868         | 239868         | 239868         | 239868         |
| Construction              | Leather        | Leather        | Leather        | Leather        |
| Standard displacement rod | 181898         | 181898         | 181898         | 181898         |
| Construction              | SST            | SST            | SST            | SST            |
| Optional displacement rod | 685970         | 685970         | 685970         | 685970         |
| Construction              | Ceramic        | Ceramic        | Ceramic        | Ceramic        |
| Standard cylinder         | 183048         | 181900         | 183048         | 181900         |
| Construction              | SST            | CS             | SST            | CS             |
| Optional cylinder         | 686614         | 686614         | 686614         | 686614         |
| Construction              | Ceramic        | Ceramic        | Ceramic        | Ceramic        |



# Triumph

## Electric Mid-Range, High-Flo 4-Ball Piston Pump

### Ordering Information, continued

Pump part number includes motor and lower displacement pump

|                             | Triumph 250          | Triumph 250          | Triumph 250         | Triumph 250         |
|-----------------------------|----------------------|----------------------|---------------------|---------------------|
| Pump part number            | 239483               | 239486               | 239489              | 239492              |
| Electric motor/reciprocator | 239658               | 239658               | 239659              | 239659              |
| Operating voltage           | 100-240 VAC          | 100-240 VAC          | 240-480 VAC         | 240-480 VAC         |
| Power cycles                | 50/60Hz single-phase | 50/60Hz single-phase | 50/60Hz three-phase | 50/60Hz three-phase |
| Lower displacement pump     | 239837               | 239834               | 239837              | 239834              |
| Construction                | SST                  | CS                   | SST                 | CS                  |
| Piston seal construction    | UHMWPE               | UHMWPE               | UHMWPE              | UHMWPE              |
| Throat seal construction    | UHMWPE/Leather       | UHMWPE/Leather       | UHMWPE/Leather      | UHMWPE/Leather      |

### Replacement Parts Ordering Information

|                           |                |                |                |                |
|---------------------------|----------------|----------------|----------------|----------------|
| Standard piston seal kit  | 220588         | 220588         | 220588         | 220588         |
| Construction              | UHMWPE         | UHMWPE         | UHMWPE         | UHMWPE         |
| Optional piston seal kit  | 224935         | 224935         | 224935         | 224935         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         |
| Standard throat seal kit  | 239872         | 239872         | 239872         | 239872         |
| Construction              | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather |
| Optional throat seal kit  | 239866         | 239866         | 239866         | 239866         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         |
| Optional throat seal kit  | 239868         | 239868         | 239868         | 239868         |
| Construction              | Leather        | Leather        | Leather        | Leather        |
| Standard displacement rod | 181898         | 181898         | 181898         | 181898         |
| Construction              | SST            | SST            | SST            | SST            |
| Optional displacement rod | 685970         | 685970         | 685970         | 685970         |
| Construction              | Ceramic        | Ceramic        | Ceramic        | Ceramic        |
| Standard cylinder         | 183047         | 183032         | 183047         | 183032         |
| Construction              | SST            | CS             | SST            | CS             |
| Optional cylinder         | N/A            | N/A            | N/A            | N/A            |
| Construction              |                |                |                |                |

# Triumph

## Electric Mid-Range, High-Flo 4-Ball Piston Pump

### Ordering Information, continued

Pump part number includes motor and lower displacement pump

|                             | Triumph 350          | Triumph 350          | Triumph 350         | Triumph 350         | Triumph 350         |
|-----------------------------|----------------------|----------------------|---------------------|---------------------|---------------------|
| Pump part number            | 239484               | 239487               | 239490              | 239493              | 244177              |
| Electric motor/reciprocator | 239658               | 239658               | 239659              | 239659              | 239659              |
| Operating voltage           | 100-240 VAC          | 100-240 VAC          | 240-480 VAC         | 240-480 VAC         | 240-480 VAC         |
| Power cycles                | 50/60Hz single-phase | 50/60Hz single-phase | 50/60Hz three-phase | 50/60Hz three-phase | 50/60Hz three-phase |
| Lower displacement pump     | 239836               | 239833               | 239836              | 239833              | 686679              |
| Construction                | SST                  | CS                   | SST                 | CS                  | SST                 |
| Piston seal construction    | UHMWPE               | UHMWPE               | UHMWPE              | UHMWPE              | UHMWPE              |
| Throat seal construction    | UHMWPE/Leather       | UHMWPE/Leather       | UHMWPE/Leather      | UHMWPE/Leather      | UHMWPE/Leather      |

### Replacement Parts Ordering Information

|                           |                |                |                |                |                |
|---------------------------|----------------|----------------|----------------|----------------|----------------|
| Standard piston seal kit  | 220589         | 220589         | 220589         | 220589         | 220589         |
| Construction              | UHMWPE         | UHMWPE         | UHMWPE         | UHMWPE         | UHMWPE         |
| Optional piston seal kit  | 224934         | 224934         | 224934         | 224934         | 224934         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         | Teflon         |
| Standard throat seal kit  | 239872         | 239872         | 239872         | 239872         | 239872         |
| Construction              | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather | UHMWPE/Leather |
| Optional throat seal kit  | 239866         | 239866         | 239866         | 239866         | 239866         |
| Construction              | Teflon         | Teflon         | Teflon         | Teflon         | Teflon         |
| Optional throat seal kit  | 239868         | 239868         | 239868         | 239868         | 239868         |
| Construction              | Leather        | Leather        | Leather        | Leather        | Leather        |
| Standard displacement rod | 181898         | 181898         | 181898         | 181898         | 685970         |
| Construction              | SST            | SST            | SST            | SST            | Ceramic        |
| Optional displacement rod | 685970         | 685970         | 685970         | 685970         | 181898         |
| Construction              | Ceramic        | Ceramic        | Ceramic        | Ceramic        | SST            |
| Standard cylinder         | 183049         | 181899         | 183049         | 181899         | 685971         |
| Construction              | SST            | CS             | SST            | CS             | Ceramic        |
| Optional cylinder         | 685971         | 685971         | 685971         | 685971         | 183049         |
| Construction              | Ceramic        | Ceramic        | Ceramic        | Ceramic        | SST            |

# Triumph

## Electric Mid-Range, High-Flo 4-Ball Piston Pump

### Ordering Information

The following lower displacement pumps are not offered in complete Triumph High-Flo pump assemblies. To configure a complete pump with one of these lowers:

1. Select desired lower displacement pump, based on fluid pressure and flow requirements, material of construction, seal construction and desired thread design.
2. Order Triumph motor/reciprocator 239658 for 100–240 VAC installations or 239659 for 240–480 VAC installations.
3. Order appropriate pump connection kit: 236704 for carbon steel Triumph pumps and 236717 for stainless steel pumps.

#### Additional Lower Displacement Pumps

| Lower displacement pump   | 240610            | 240611         | 240612            | 240613 | 239859 |
|---------------------------|-------------------|----------------|-------------------|--------|--------|
| Cylinder size             | small             | small          | small             | small  | small  |
| Thread design             | BSPP w/ tri-clamp | BSPP           | BSPP w/ tri-clamp | BSPP   | npt    |
| Material of construction  | SST               | SST            | SST               | SST    | SST    |
| Standard piston seal kit  | 220589            | 220589         | 224934            | 224934 | 224934 |
| Construction              | UHMWPE            | UHMWPE         | Teflon            | Teflon | Teflon |
| Standard throat seal kit  | 239872            | 239872         | 239866            | 239866 | 239866 |
| Construction              | UHMWPE/Leather    | UHMWPE/Leather | Teflon            | Teflon | Teflon |
| Standard displacement rod | 181898            | 181898         | 181898            | 181898 | 181898 |
| Construction              | SST               | SST            | SST               | SST    | SST    |
| Standard cylinder         | 183049            | 183049         | 183049            | 183049 | 183049 |
| Construction              | SST               | SST            | SST               | SST    | SST    |

#### Additional Lower Displacement Pumps

| Lower displacement pump   | 239860 | 240608            | 240609         | 240606            | 240607         |
|---------------------------|--------|-------------------|----------------|-------------------|----------------|
| Cylinder size             | small  | medium            | medium         | large             | large          |
| Thread design             | npt    | BSPP w/ tri-clamp | BSPP           | BSPP w/ tri-clamp | BSPP           |
| Material of construction  | CS     | SST               | SST            | SST               | SST            |
| Standard piston seal kit  | 224934 | 220588            | 220588         | 220587            | 220587         |
| Construction              | Teflon | UHMWPE            | Teflon         | UHMWPE            | UHMWPE         |
| Standard throat seal kit  | 239866 | 239872            | 239872         | 239872            | 239872         |
| Construction              | Teflon | UHMWPE/Leather    | UHMWPE/Leather | UHMWPE/Leather    | UHMWPE/Leather |
| Standard displacement rod | 181898 | 181898            | 181898         | 181898            | 181898         |
| Construction              | SST    | SST               | SST            | SST               | SST            |
| Standard cylinder         | 181899 | 183047            | 183047         | 183048            | 183048         |
| Construction              | CS     | SST               | SST            | SST               | SST            |

Note: npt is National Pipe Taper thread

BSPP is British Standard Pipe Parallel thread for sanitary clamp installations

BSPP with tri-clamp design is configured with tri-clamp adapter