Hi-Force

www.hi-force.com

400V 50 Hz/460V 60 Hz - 3Ph, TWO STAGE, ELECTRIC DRIVEN, HIGH FLOW PUMP

SERIAL NUMBERS

FROM BQ 6615

PRODUCT NO. HEP517244

SHT 1 OF 2 SHTS



1 5825

2 6127

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13 14

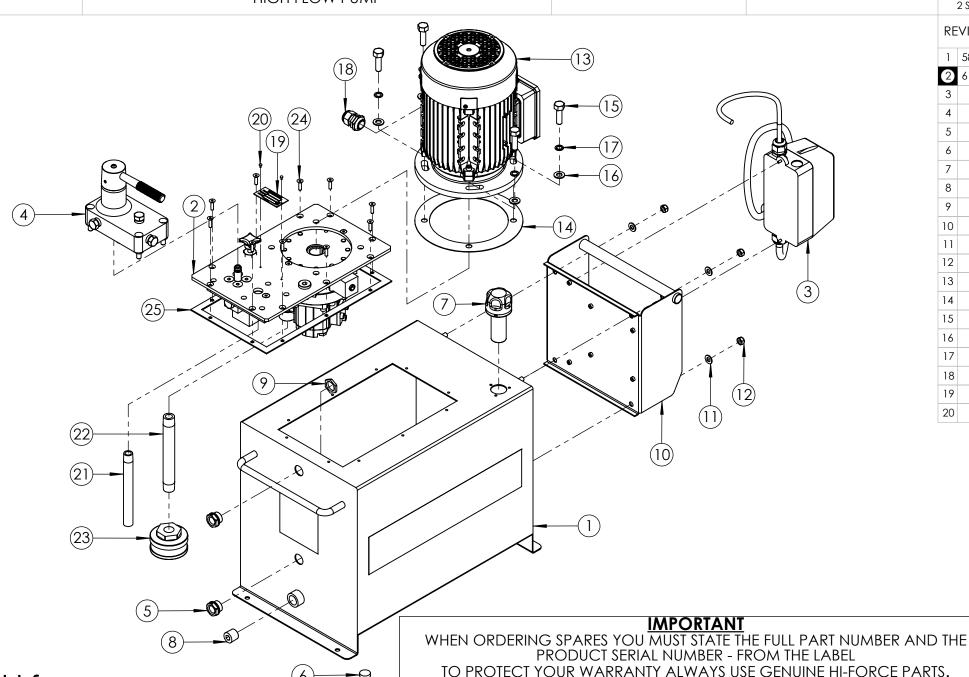
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400V 50 Hz/460V 60 Hz - 3Ph, TWO STAGE, ELECTRIC DRIVEN, HIGH FLOW PUMP

SERIAL NUMBERS
FROM BQ 6615

PRODUCT NO. **HEP517244**

SHT 2 OF 2 SHTS

| REVISION | | | | |
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| TEM PART NUMBER DESCRIPTION | | | | | | |
|---|-------------|----------------|---|------|----------------|----------|
| 2 TYPE300-24 300 SERIES PUMP UNIT 1 3 EMA415UD001 400 V MOTOR STARTER ASSEMBLY 1 4 PMV2 2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE 1 5 BLC021YT010 SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR 2 6 DCSF00328 DOUBLE SIDED MAGNET 1 7 FFC028PZ001 FILLER/BREATHER 1 8 FPC013PC001 1/2" BSP PLUG - HEX SOCKET 1 9 NUC021-B000 1/2" BSP LOCK NUT 2 10 TAC000FS002 MODULAR ELECTRIC TRAY 1 11 WAC008AB000 M8 PLAIN WASHER 4 12 NUC008KC000 M8 NYLOC NUT 4 13 EM415-3.0-2LAF 3kW 2 POLE IE3 230/400V 3/50Hz IMB5 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC01082000 M10 ZINC PLATED FLAT WASHER 4 17 WAC01082000 M10 SPRING WASHER | ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | |
| 3 EMA415UD001 400 V MOTOR STARTER ASSEMBLY 1 4 PMV2 2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE 1 5 BLC021YT010 SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR 2 6 DCSF00328 DOUBLE SIDED MAGNET 1 7 FFC028PZ001 FILLER/BREATHER 1 8 FPC013PC001 1/2" BSP PLUG - HEX SOCKET 1 9 NUC021-B000 1/2" BSP LOCK NUT 2 10 TAC000FS002 MODULAR ELECTRIC TRAY 1 11 WAC008AB000 M8 PLAIN WASHER 4 12 NUC008KC000 M8 NYLOC NUT 4 13 EM415-3.0-2LAF FLANGE MOUNT 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 | 1 | TAC040AS004 | 40 L TANK | 1 | | |
| 4 PMV2 | 2 | TYPE300-24 | 300 SERIES PUMP UNIT | 1 | | |
| SIGHT GLASS HGF.13 BLACK OIL LEVEL 1 1 1 1 1 1 1 1 1 | 3 | EMA415UD001 | 400 V MOTOR STARTER ASSEMBLY | 1 | | |
| SECO2111010 INDICATOR 2 | 4 | PMV2 | 2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE | 1 | | |
| 7 FFC028PZ001 FILLER/BREATHER 1 8 FPC013PC001 1/2" BSP PLUG - HEX SOCKET 1 9 NUC021-B000 1/2" BSP LOCK NUT 2 10 TAC000FS002 MODULAR ELECTRIC TRAY 1 11 WAC008AB000 M8 PLAIN WASHER 4 12 NUC008KC000 M8 NYLOC NUT 4 13 EM415-3.0-2LAF 3kW 2 POLE IE3 230/400V 3/50Hz IMB5 FLANGE MOUNT 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 X 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW < | 5 | BLC021YT010 | | 2 | | |
| 8 FPC013PC001 1/2" BSP PLUG - HEX SOCKET 1 9 NUC021-B000 1/2" BSP LOCK NUT 2 10 TAC000FS002 MODULAR ELECTRIC TRAY 1 11 WAC008AB000 M8 PLAIN WASHER 4 12 NUC008KC000 M8 NYLOC NUT 4 13 EM415-3.0-2LAF FLANGE MOUNT 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 2 25 15482 TANK GASKET 1 | 6 | DCSF00328 | DOUBLE SIDED MAGNET | 1 | | |
| 9 NUC021-B000 1/2" BSP LOCK NUT 2 10 TAC000FS002 MODULAR ELECTRIC TRAY 1 11 WAC008AB000 M8 PLAIN WASHER 4 12 NUC008KC000 M8 NYLOC NUT 4 13 EM415-3.0-2LAF 3kW 2 POLE IE3 230/400V 3/50Hz IMB5 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 ✓ | 7 | FFC028PZ001 | FILLER/BREATHER | 1 | | |
| 10 TAC000FS002 MODULAR ELECTRIC TRAY 11 WAC008AB000 M8 PLAIN WASHER 12 NUC008KC000 M8 NYLOC NUT 13 EM415-3.0-2LAF SkW 2 POLE IE3 230/400V 3/50Hz IMB5 | 8 | FPC013PC001 | 1/2" BSP PLUG - HEX SOCKET | 1 | | |
| 11 WAC008AB000 | 9 | NUC021-B000 | 1/2" BSP LOCK NUT | 2 | | |
| 12 NUC008KC000 | 10 | TAC000FS002 | MODULAR ELECTRIC TRAY | 1 | | |
| 13 EM415-3.0-2LAF 3kW 2 POLE IE3 230/400V 3/50Hz IMB5 11 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 2 25 15482 TANK GASKET 1 | 11 | WAC008AB000 | M8 PLAIN WASHER | 4 | | |
| 13 EM413-3.0-2LAF FLANGE MOUNT 1 14 SEC001KT003 GASKET 1 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 12 | NUC008KC000 | M8 NYLOC NUT | 4 | | |
| 15 BLC010LB035 M10 x 35 mm HEX HEAD BOLT, ZINC PLATED 4 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 2 25 15482 TANK GASKET 1 | 13 | EM415-3.0-2LAF | 3kW 2 POLE IE3 230/400V 3/50Hz IMB5 FLANGE MOUNT | 1 | | |
| 16 WAC010AB000 M10 ZINC PLATED FLAT WASHER 4 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 2 25 15482 TANK GASKET 1 | 14 | SEC001KT003 | GASKET | 1 | | |
| 17 WAC010BZ000 M10 SPRING WASHER 4 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 | 15 | BLC010LB035 | M10 x 35 mm HEX HEAD BOLT, ZINC PLATED | 4 | | |
| 18 NUC020LS002 GLAND 6-12MM 1 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 X 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 16 | WAC010AB000 | M10 ZINC PLATED FLAT WASHER | 4 | | |
| 19 AAN000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 X 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 17 | WAC010BZ000 | M10 SPRING WASHER | 4 | | |
| 20 FAS002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 18 | NUC020LS002 | GLAND 6-12MM | 1 | | |
| 21 TAC000PA001 160 mm LONG SUCTION PIPE 1 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 19 | AAN000UP001 | 60 x 30 mm UNIVERSAL NAME PLATE | 1 | X | |
| 22 FPC013AC002 FEED PIPE 1 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 20 | FAS002HZ001 | NO.4 x 3/16 HAMMER DRIVE SCREW | 2 | | |
| 23 FFC045MZ001 FILTER 1 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 | 21 | TAC000PA001 | 160 mm LONG SUCTION PIPE | 1 | | |
| 24 BLC005HF020 M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW 10 25 15482 TANK GASKET 1 ✓ | 22 | FPC013AC002 | FEED PIPE | 1 | | |
| 24 BLC003HF020 SCREW 10 SCREW 1 1 ✓ | 23 | FFC045MZ001 | FILTER | 1 | | |
| | 24 | BLC005HF020 | | 10 | | |
| * SFC065FA002 BLANKING PLATE 1 | 25 | 15482 | TANK GASKET | 1 | | ✓ |
| | * | SFC065FA002 | BLANKING PLATE | 1 | | |

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH x).
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- FOR SUB ASSEMBLIES (ITEM NO.S 2, 3 & 4) REFER TO THEIR INDUVIDUAL EVD's.

IMPORTANT

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

 $^{\uparrow}_{\Box}$

SERIAL NUMBERS

PRODUCT NO. TYPE300-24

SHT 1 OF 2 SHTS



1 5817

2 5939

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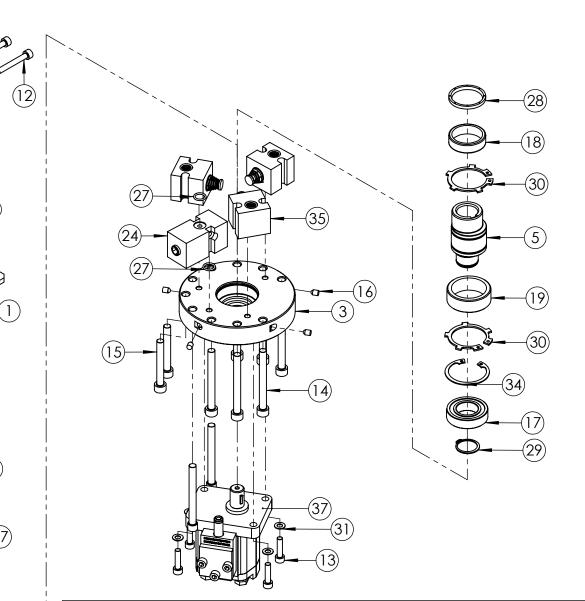
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<u>IMPORTANT</u>

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.



300 SERIES PUMP UNIT

SERIAL NUMBERS PRODUCT NO.

TYPE300-24

SHT 2 OF 2 SHTS

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| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS |
|-------------|--------------|---|------|----------------|------------------|
| 1 | TAC000BA003 | COVER PLATE | 1 | | |
| 2 | PMC000UM001 | UPPER PLATE | 1 | | |
| 3 | PMC000LF001 | LOWER PLATE | 1 | | |
| 4 | 15503 | CONNECTOR PIPE | 1 | | |
| 5 | 15505 | 24mm DRIVE SHAFT | 1 | | |
| 6 | 17587 | TRANSFER BLOCK | 1 | | |
| 7 | 17588 | VALVE PLATE | 1 | | |
| 8 | BAC008\$N000 | Ø8 mm STEEL BALL GRADE 100 | 5 | | |
| 9 | BLC005HF016 | M5 x 16 mm HEX SOCKET COUNTERSUNK SCREW | 2 | | |
| 10 | BLC006JE016 | M6 x 16 mm HEX SOCKET COUNTERSUNK SCREW | 1 | | |
| 11 | BLC008KF035 | M8 x 35 mm HEX SOCKET COUNTERSUNK SCREW | 4 | | |
| 12 | BLC006JC045 | M6 x 45 mm HEX SOCKET CAP HEAD SCREW | 2 | | |
| 13 | BLC006JD025 | M6 x 25 mm HEX SOCKET CAP HEAD SCREW | 4 | | |
| 14 | BLC008KC080 | M8 x 80 mm HEX SOCKET CAP HEAD SCREW | 6 | | |
| 15 | BLC008KC060 | M8 x 60 mm HEX SOCKET CAP HEAD SCREW | 2 | | |
| 16 | BPC006RS001 | SEALING PLUG | 4 | | |
| 17 | BSC025MC001 | LOWER PLATE BEARING | 1 | | |
| 18 | BSC035NC001 | UPPER PLATE BEARING | 1 | | |
| 19 | BSC040ND001 | ECCENTRIC BEARING | 1 | | |
| 20 | FAS006GJ010 | 1/4" BSP HEX HEAD BLANKING PLUG | 1 | | |
| 21 | FAS010MA010 | M10 X 10 CUP POINT GRUB SCREW | 5 | | |
| 22 | FFC012MA001 | SUCTION FILTER | 1 | | |
| 23 | HPRV1 | HIGH PRESSURE R/VALVE | 1 | | |
| 24 | LPRV1 | LOW PRESSURE R/VALVE | 1 | | |
| 25 | SEC013BA001 | BACK-UP RING - PTFE, SOLID SPLIT | 2 | | √ |
| 26 | SEC013RA001 | O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 | 2 | | 1 |
| 27 | SEC014RF001 | O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 | 4 | | 1 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | RE | VISION |
|-------------|-------------|---|------|----------------|------------------|----|--------|
| 28 | SEC035WE001 | UPPER PLATE OIL SEAL | 1 | | | 1 | 5817 |
| 29 | STC025AA001 | EXTERNAL CIRCLIP - 25 x 1,2 mm D1400/025 | 1 | | | 2 | 5939 |
| 30 | STC040AA001 | EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/0400 | 2 | | | 3 | |
| 31 | WAC006AF000 | M6 ZINC WASHER | 4 | | | 5 | |
| 32 | WAC006BC001 | M6 SPRING ZINC WASHER (SQUARE SECTION) | 2 | | | 6 | |
| 33 | WAC007HD000 | 1/4" BSP SELF CENTERING BONDED WASHER | 1 | | | 7 | |
| 34 | STC047BA001 | INTERNAL CIRCLIP - 47 x 1.75 mm D1300/0470 | 1 | | | 9 | |
| 35 | 15494-A | PISTON BLOCK ASSEMBLY | 3 | | | 10 | |
| 36 | FPC010PB001 | 3/8" BSP BLANKING PLUG | 1 | | | 11 | |
| 37 | PMA060GZ001 | GP60 GEAR PUMP ASSEMBLY | 1 | | | 12 | |
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NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH X).
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS FROM **HEP-SK1 PUMP SERVICE KIT.** (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- IF ITEM NO. 24 (LPRV1) IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH 2 OFF ITEM NO.27 (SEC014RF001). THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.
- FOR SUB ASSEMBLIES ITEM NO. 35 (15494-A) & ITEM NO. 37 (PMA060GZ001) REFER TO THEIR INDUVIDUAL EVD's.

IMPORTANT

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.



PISTON BLOCK ASSEMBLY

SERIAL NUMBERS

PRODUCT NO.

VERSION 01

15494-A

SHT 1 OF 1 SHTS

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www.hi-force.com

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | RE | VISION |
|-------------|--------------|---|------|----------------|------------------|----|--------|
| 1 | 15494 | PISTON BLOCK | 1 | X | | 1 | 5717 |
| 2 | 15495 | PISTON | 1 | X | | 2 | 5866 |
| 3 | 15496 | VALVE SEAT | 1 | X | | 3 | |
| 4 | 15509 | SUCTION/DELIVERY SPRING | 2 | X | | 4 | |
| 5 | 15508 | PUMP SPRING | 1 | X | | 5 | |
| 6 | BAC005\$N000 | Ø5 mm STEEL BALL GRADE 100 | 2 | X | | 6 | |
| 7 | SEC014RF001 | O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 | 2 | | 1 | 8 | |
| 8 | SEC010RA001 | O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 | 1 | X | | 9 | |
| 9 | STC008SA001 | N1305-0031 SELF LOCKING RING | 1 | X | | 11 | |
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NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH X).
- ONLY PARTS MARKED WITH **\(\sigma** ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST).

IMPORTANT

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

SERIAL NUMBERS

PRODUCT NO.

PMA060GZ001

SHT 1 OF 3 SHTS

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| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | REVISION |
|-------------|--------------|--|-------------|----------------|------------------|----------|
| 1 | GP60 | GEAR PUMP | GEAR PUMP 1 | | | |
| 2 | PMC000TM001 | TRANSFER PLATE | 1 | | | 2 |
| 3 | 15510C | CONNECTOR TUBE | 1 | | | 3 |
| 4 | SEC010RA001 | O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 | 2 | | ✓ | 5 |
| 5 | SEC019RF002 | O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 | 2 | | ✓ | 6 |
| 6 | PMC000XM001 | SEALING PLATE | 1 | | | 7 |
| 7 | BLC006JD030 | M6 x 30 mm HEX SOCKET CAP HEAD SCREW | 3 | | | 9 |
| 8 | 15507 | ADAPTOR | 1 | | | 10 |
| 9 | PCC002WC001 | KEY TO FIT 200/300 PUMPS | 1 | | | 11 |
| | 5.0000000000 | M8 X 80 HEX SOCKET | | | | 12 |
| 10 | FAS008SP080 | REDUCED CAP HEAD SCREW (FULLY THREADED) | 2 | | | 13 |
| 11 | FPA013DC001 | GEAR PUMP ELBOW (INC | 1 | х | | 14 |
| - ' ' | 1.7.01020001 | WITH GEAR PUMP) | | | | 15 |
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NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH $\emph{\textbf{x}}$)
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- THE ORIENTATION OF ITEM NO. 2 (PMC000TM001) IS DETERMINED BY THE BRAND OF THE GP60 GEAR PUMP SUPPLIED (REFER TO SHEET 2 FOR FURTHER DETAILS)
- ITEM NO. 10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080)ON THE TYPE300-24, PRIOR TO FITTING PMA060GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)
- INDIVIDUAL ITEMS ARE NOT AVAILABLE AS SPARE PARTS FOR HEP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. GP60 GEAR PUMP ASSEMBLY (PMA060GZ001) WILL NEED TO BE ORDERED. INDIVIDUAL ITEMS APART FROM ITEM NO. 11 ARE AVAILABLE AS SPARE PARTS FOR HEP PUMPS WITH SERIAL NUMBERS ABOVE **BR9070**

IMPORTANT

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

SERIAL NUMBERS

PRODUCT NO.

PMA060GZ001

SHT 2 OF 3 SHTS

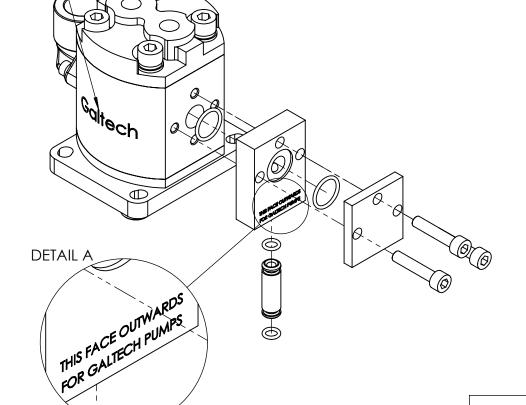
REVISION

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ORIENTATION OF TRANSFER PLATE

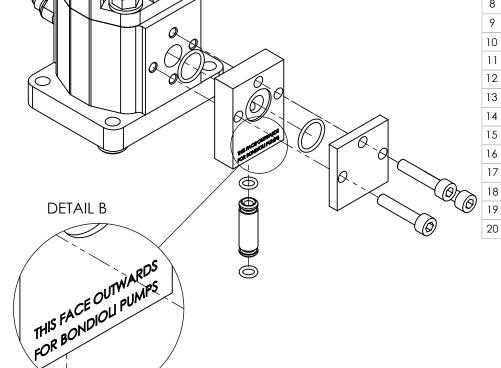
FOR GALTECH GEAR PUMPS, LOOK FOR "GALTECH" USUALLY FOUND ON THE SIDE OF THE BODY



FOR BONDIOLI GEAR PUMPS, LOOK FOR

"BONDIOLI & PAVESI" USUALLY FOUND

ON THE BOTTOM OF THE BODY



IMPORTANT

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

PRODUCT NO.

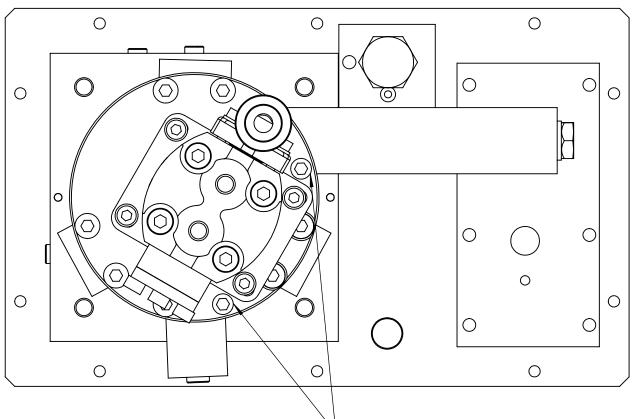
PMA060GZ001

SHT 3 OF 3 SHTS

REVISION

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TYPE300-24: BOTTOM VIEW



REMOVE THE TWO CURRENT SCREWS FROM THESE TWO POSITIONS AND REPLACE WITH ITEM NO. 10 (FAS008SP080)

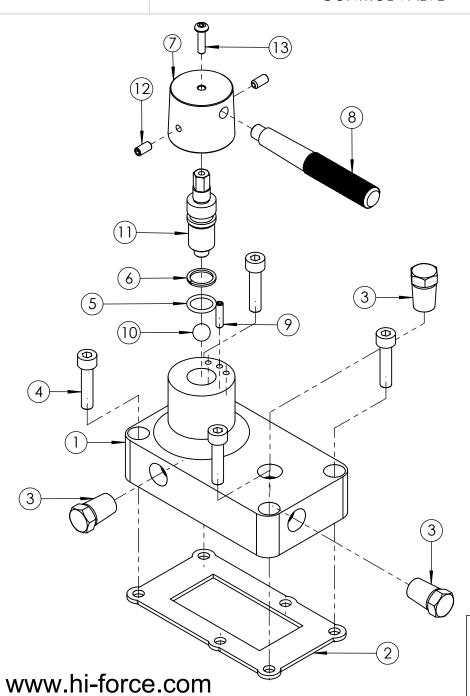
<u>IMPORTANT</u>

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.



2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE

| SERIAL NUMBERS | PRODUCT NO. | VERSION | |
|----------------|-------------|---------|--|
| | PMV2 | 01 | |



| ′ ' | 17 (L | | | PMV2 | 01 | | | HT 1 OF 1 SHTS |
|-----|-------------|-------------|------------|----------------------------------|------|----------------|----------|-------------------|
| | ITEM NO. | PART NUMBER | DES | CRIPTION | QTY. | SPARE PARTS | RE | VISION |
| | 1 | VFC010BF014 | VALVE MC | OUNTING BLOCK | 1 | X | 0 | 5717 |
| | 2 | SEC003KT001 | VALV | /E GASKET | 1 | | 2 | |
| | 3 | FPC010PN001 | 3/8 NPT BI | LANKING PLUG | 3 | | 3 | |
| | 4 | BLC008KD035 | | HEX SOCKET CAP D SCREW | 4 | | 5 | |
| | 5 | SEC020RA001 | | 15.60 mm, C.S. 2.4 NITRILE 70 | 1 | | 6 | |
| | 6 | SEC020BA001 | BACI | K UP RING | 1 | | 8 | |
| | 7 | HLC046BM001 | HAN | IDLE BASE | 1 | X | 9 | |
| | 8 | HLC010BM002 | PMV2 | 2 - HANDLE | 1 | X | 10 | |
| | 9 | FAS005MB001 | | IEX SOCKET CUP PT CREW | 1 | | 11 12 | |
| | 10 | BAC012SN001 | 12mm | STEEL BALL | 1 | | 13 | |
| | 11 | VFC010DR002 | SI | PINDLE | 1 | X | 14 | |
| | 12 | FAS006MB012 | | IEX SOCKET CUP PT CREW | 2 | | 15 | |
| | | | | EX SOCKET BUTTON | | | 16 17 | |
| | 13 | BLC005HH020 | | D SCREW | 1 | | 17 | |
| | | | | | | | 19 | |
| | NOTE | • | | | | | 17 | |

20

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH \boldsymbol{x}).

IMPORTANT

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PUMP SERVICE KIT

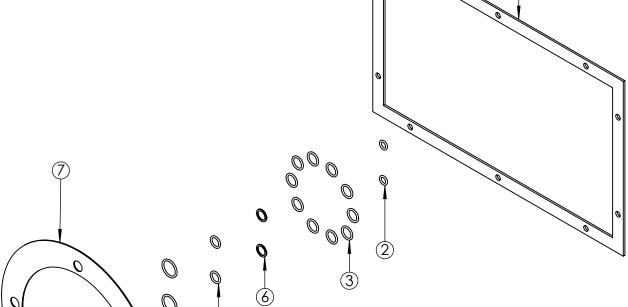
| SERIAL NUMBERS | |
|----------------|--|
| | |

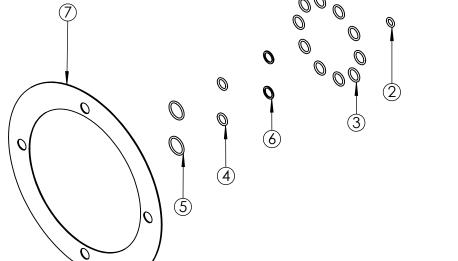
PRODUCT NO. HEP-SK1

SHT 1 OF 1 SHTS

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | REVISION |
|-------------|---------------|--------------------------|------|----------|
| 1 | 15482 | TANK GASKET | 1 | 1 5717 |
| 2 | SEC010RA001 | O-RING - I.D. 6.35 mm, | 2 | 2 5939 |
| _ | 32001010,1001 | C.S. 1.78 mm, NITRILE 70 | _ | 3 |

| 1 15482 TANK GASKET 1 1 2 SEC010RA001 O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 2 3 3 SEC014RF001 O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 10 4 4 SEC013RA001 O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 2 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 SEC013BA001 BACK-UP RING - PTFE, SOLID SPLIT 2 9 7 SEC001KT003 GASKET 1 10 | | | | | 1 |
|---|---|-------------|--|----|-----|
| 2 SEC010RA001 C.S. 1.78 mm, NITRILE 70 2 3 3 SEC014RF001 O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 10 4 4 SEC013RA001 O-RING - I.D. 9.25mm, C.S. 2 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 6 6 SEC013BA001 BACK-UP RING - PTFE, SOLID SPLIT 2 9 | 1 | 15482 | tank gasket | 1 | 1 |
| 3 SEC014RF001 C.S. 1.78 mm, NITRILE 90 10 4 SEC013RA001 O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 2 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 6 SEC013BA001 BACK-UP RING - PTFE, SOLID SPLIT 2 | 2 | SEC010RA001 | O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 | 2 | 3 |
| 4 SEC013RA001 O-RING - I.D. 9.25mm, C.S. 2 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 8 6 SEC013BA001 BACK-UP RING - PTFE, SOLID SPLIT 2 9 | 3 | SEC014RF001 | | 10 | - 1 |
| 5 SEC019RF002 1.78mm, NITRILE 90 2 6 SEC013BA001 BACK-UP RING - PTFE, SOLID SPLIT 2 9 | 4 | SEC013RA001 | O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 | 2 | |
| 6 SECUTSBAUUT SOLID SPLIT 2 7 | 5 | SEC019RF002 | | 2 | |
| 7 SEC001KT003 GASKET 1 10 | 6 | SEC013BA001 | | 2 | 9 |
| | 7 | SEC001KT003 | GASKET | 1 | 10 |





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