

Series HDA Order Guide



Build Part Number

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| H | A | 3 | 4 | 5 | - | 7 | 8 | T | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|

A complete Series HDA part number is 10 or 14 digits depending on selected options. For example, HA3C1-G3TT or HA8P--G1TPG1TP. Note that some codes are multiple digits.

| DIGIT | CODE | PUMP TYPE |
|-------|------|----------------------------|
| 1-2 | HA | HYDRAULIC DIAPHRAGM SIZE A |

| DIGIT | CODE | PUMP CONFIGURATION |
|-------|------|-------------------------------|
| 3 | 3 | SINGLE HEAD |
| | 4 | DUAL HEAD SIMULTANEOUS* |
| | 8 | DUAL HEAD WORKING + STANDBY** |

*Dual head simultaneous is VFD control only.

**Includes handwheel clutch to allow operator to engage one pump at a time.

| DIGIT | CODE | GEARBOX REDUCER |
|-------|------|-------------------------------------|
| 4 | B | NEMA 145TC 13.18:1 |
| | C | NEMA 145TC 27.55:1 |
| | P | IEC 80B5 13.18:1 ATEX Cat.3G Zone 2 |
| | Q | IEC 80B5 27.55:1 |
| | R | IEC 90B5 13.18:1 ATEX Cat.3G Zone 2 |
| | Y | NO GEARBOX, INCLUDES SHAFT* |

*Option Y only available for CheckPoint offices.

| DIGIT | CODE | HYDRAULIC SPEED VARIATOR* |
|-------|------|-----------------------------|
| 5 | 1 | NEMA 145TC |
| | 2 | IEC 80B5 ATEX Cat.3G Zone 2 |
| | 3 | IEC 90B5 ATEX Cat.3G Zone 2 |
| | - | NO VARIATOR |

*Variator control requires 13:1 gearbox and 1HP (0.75kW) motor.

| DIGIT | CODE | SPECIAL |
|-------|------|---------|
| 6 | - | NONE |

| PUMP HEAD 1 CONFIGURATION | | |
|---------------------------|------|---------------------------------|
| DIGIT | CODE | PLGR SIZE & MATERIAL / BUSH MAT |
| 7 | G | 10MM CERAMIC CERAMIC |
| | H | 10MM CERAMIC STEEL |
| | I | 10MM STEEL STEEL |
| | J | 10MM STEEL CERAMIC |

| DIGIT | CODE | WET DIAPHRAGM/SEAL MATERIAL |
|-------|------|-----------------------------|
| 8 | 1 | 316SS/FFKM |
| | 2 | 316SS/HNBR |
| | 3 | 316SS/FKM |

| DIGIT | CODE | IRV STATUS INDICATOR |
|-------|------|----------------------|
| 9 | T | TATTLETALE |

| DIGIT | CODE | DIAPHRAGM RUPTURE INDICATOR |
|-------|------|--------------------------------|
| 10 | T | TATTLETALE |
| | G | PRESSURE GAUGE |
| | P | PRESSURE SENSOR 4-20mA C1D1 |
| | Q | 1/2" MNPT PORT FOR CUST DEVICE |

If pump configuration is single head, stop part number here.

PUMP HEAD 2 CONFIGURATION

Only continue if pump configuration is dual head.

| DIGIT | CODE | PLGR SIZE & MATERIAL / BUSH MAT |
|-------|------|---------------------------------|
| 11 | G | 10MM CERAMIC CERAMIC |
| | H | 10MM CERAMIC STEEL |
| | I | 10MM STEEL STEEL |
| | J | 10MM STEEL CERAMIC |

| DIGIT | CODE | WET DIAPHRAGM/SEAL MATERIAL |
|-------|------|-----------------------------|
| 12 | 1 | 316SS/FFKM |
| | 2 | 316SS/HNBR |
| | 3 | 316SS/FKM |

| DIGIT | CODE | IRV STATUS INDICATOR |
|-------|------|----------------------|
| 13 | T | TATTLETALE |

| DIGIT | CODE | DIAPHRAGM RUPTURE INDICATOR |
|-------|------|--------------------------------|
| 14 | T | TATTLETALE |
| | G | PRESSURE GAUGE |
| | P | PRESSURE SENSOR 4-20mA C1D1 |
| | Q | 1/2" MNPT PORT FOR CUST DEVICE |

NOTE

VFD cannot be combined with variator control.

VFD Benefits: Lower min flow, Higher max flow, Supports dual head simultaneous configuration, Only automation ready option, Additional electronic motor protections

Variator Benefits: Local mechanical control; Reduced electrical hookup

Refer to motor chart for power. Frame must be NEMA 56C with 7/8" shaft adapter, NEMA 143/145TC, or IEC 80B5. Variator can use fixed speed. VFD requires 35:1 constant torque (CT) variable speed, but inverter duty 1000:1 recommended.

