

Build Part Number

H	A	3	4	5	-	7	8	T	10	11	12	13	14
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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" sh adapter, NEMA 143/145TC, or IEC 80B5. Variator can use fixed speed. \ requires 35:1 constant torque (CT) variable speed, but inverter duty 10:1 recommended.

