

CheckPoint Pumps & Systems Pump Order Guide



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Series 5400 Order Guide



Build Part Number

1	2	3	4	5	6	7	8	9
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A complete Series 5400 part number is 9 digits. For example, P5412CNQ3. Note that some codes are multiple digits.

DIGIT	CODE	MOTOR TYPE
1-3	P54	5" CYL, GAS RECOVERY, 4" STROKE

DIGIT	CODE	PLUNGER DIAMETER & TYPE
4-5	08	1/2" SINGLE-ACTING
	12	3/4" DOUBLE-ACTING
	16	1" DOUBLE-ACTING
	28	1-3/4" DOUBLE-ACTING
	40	2-1/2" DOUBLE-ACTING

DIGIT	CODE	PLUNGER MATERIAL
6	C	CERAMIC COATED 316SS

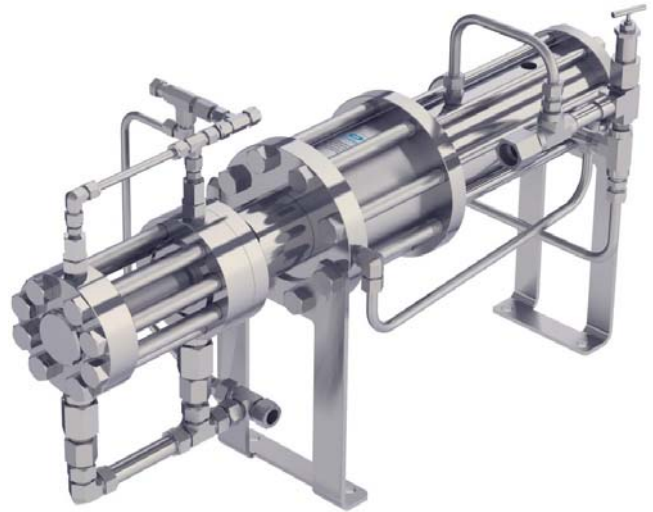
DIGIT	CODE	HEAD MATERIAL
7	6	SS316*
	N	NITRONIC-50**

* Available for 08 plunger code only.

** Available for 12, 16, 28, & 40 plunger codes only.

DIGIT	CODE	PACKING MATERIAL
8	A	VITON/PEEK/CTFM
	F	FFKM/PEEK/CTFM
	H	HNBR/PEEK/CTFM
	Q	FKM/PEEK/CTFM

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
9	3	316SS POPPET



Series 6200 Order Guide



Build Part Number

1	2	3	4	5	6	7	8	9
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A complete Series 6200 part number is 9 digits. For example, P6212NNQ3. Note that some codes are multiple digits.

DIGIT	CODE	MOTOR TYPE
1-3	P62	6" CYL, GAS RECOVERY, 2" STROKE

DIGIT	CODE	PLUNGER DIAMETER
4-5	12	3/4 IN DOUBLE-ACTING

DIGIT	CODE	PLUNGER MATERIAL
6	C	CERAMIC COATED 316SS
	H	HASTELLOY C276*
	N	NITRONIC-50

*Requires code H for digit 7 head material and digit 9 check body material.

DIGIT	CODE	HEAD MATERIAL
7	H	HASTELLOY C276
	N	NITRONIC-50

DIGIT	CODE	PACKING MATERIAL
8	A	VITON/PEEK/CTFM
	F	FFKM/PEEK/CTFM
	H	HNBR/PEEK/CTFM
	Q	FKM/PEEK/CTFM

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
9	3	316SS POPPET
	H	HASTELLOY C276 POPPET



Series 8400 Order Guide



Build Part Number

1	2	3	4	5	6	7	8	9
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A complete Series 8400 part number is 9 digits. For example, P8412CNQ3. Note that some codes are multiple digits.

DIGIT	CODE	MOTOR TYPE
1-3	P84	8" CYL, GAS RECOVERY, 4" STROKE

DIGIT	CODE	PLUNGER DIAMETER & TYPE
4-5	08	1/2" SINGLE-ACTING
	12	3/4" DOUBLE-ACTING
	16	1" DOUBLE-ACTING
	28	1-3/4" DOUBLE-ACTING
	40	2-1/2" DOUBLE-ACTING

DIGIT	CODE	PLUNGER MATERIAL
6	C	CERAMIC COATED 316SS

DIGIT	CODE	HEAD MATERIAL
7	6	SS316*
	N	NITRONIC-50**

* Available for 08 plunger code only.

** Available for 12, 16, 28, & 40 plunger codes only.

DIGIT	CODE	PACKING MATERIAL
8	A	VITON/PEEK/CTFM
	F	FFKM/PEEK/CTFM
	H	HNBR/PEEK/CTFM
	Q	FKM/PEEK/CTFM

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
9	3	316SS POPPET





Build Part Number

F	A	3	4	5	-	7	8	9	10	11	12	13	14
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A complete Series FXA part number is 11 or 15 digits depending on selected options. For example, FA3B--A2JC or FA9P2-C2TDC2TD. Note that some codes are multiple digits.

DIGIT	CODE	PUMP TYPE
1-2	FA	FIXED ECCENTRIC SIZE A

DIGIT	CODE	PUMP CONFIGURATION
3	3	SINGLE HEAD
	4	DUAL HEAD SIMULTANEOUS*
	9	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 28.88:1
	P	IEC 80B5 13.18:1 ATEX Cat.3G Zone 2
	Q	IEC 80B5 28.88:1
	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	HEAD SERIES & POSITION
7	A	1250 LEFT
	C	1500 LEFT

DIGIT	CODE	PLUNGER MATERIAL
8	1	316SS
	2	CERAMIC COATED HASTELLOY*
	3	DUPLEX 2205
	4	HASTELLOY C276
	5	TITANIUM
	6	SOLID CERAMIC**

* 1500 1.5" plunger is ceramic coated 316SS.
 ** Available for series 1250 head in 1/4" & 3/8" plunger sizes only.

DIGIT	CODE	HEAD DETAIL
9	A	1/8 1250 MODULAR
	C	1/8 1250 DEDICATED HP
	E	3/16 1250 MODULAR
	Y	3/16 1250 DEDICATED HP
	G	1/4 1250 MODULAR
	J	1/4 1250 DEDICATED HP
	K	3/8 1250 MODULAR
	M	1/2 1250 MODULAR
	P	1/2 1250 EXTREME VISCOSITY
	Q	3/8 1500 DEDICATED HP
	R	1/2 1500 MODULAR
	S	1/2 1500 DEDICATED HP
	T	3/4 1500 MODULAR
	U	3/4 1500 EXTREME VISCOSITY
	V	1 1500 MODULAR
	W	1 1500 EXTREME VISCOSITY
X	1-1/2 1500 DEDICATED	

DIGIT	CODE	HEAD & SEAL MATERIALS*	
10	A	316SS VITON	
	B	316SS HNBR	
	C	316SS FKM	
	D	316SS FFKM	1250
		316SS FFKM	1500 3/8"-1"
		316SS FFKM	1500 1.5"
	E	HAST VITON	1250
	F	HAST HNBR	1250
		HAST HNBR	1500
	G	HAST FKM	1250
		HAST FKM	1500
	H	HAST FFKM	1250
		HAST FFKM	1500 3/8"-1"
		HAST FFKM	1500 1.5"
	J	PVC VITON	1250
	K	PVC HNBR	1250
		PVC HNBR	1500 3/8"-1"***
	L	PVC FKM	1250
		PVC FKM	1500 3/8"-1"***
M	PVC FFKM	1250	
	PVC FFKM	1500 3/8"-1"***	
N	Ti VITON		
P	Ti HNBR		
Q	Ti FKM		
R	Ti FFKM		
S	2205 VITON		
T	2205 HNBR		
U	2205 FKM		
V	2205 FFKM		

* Defines wetted materials only. Flange, plunger adapter, & bolts remain 316SS.
 ** PVC head with hastelloy check valves setup not available for 1500-1.5".

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

PUMP HEAD 2 CONFIGURATION

Only continue if pump configuration is dual head.

DIGIT	CODE	HEAD SERIES & POSITION
11	B	1250 RIGHT
	D	1500 RIGHT

DIGIT	CODE	PLUNGER MATERIAL
12		SAME CODE OPTIONS AS DIGIT 8

DIGIT	CODE	HEAD DETAIL
13		SAME CODE OPTIONS AS DIGIT 9

DIGIT	CODE	HEAD & SEAL MATERIALS*
14		SAME CODE OPTIONS AS DIGIT 10

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
MOTOR SOLD SEPARATELY
 *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.

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 28.88:1
	P	IEC 80B5 13.18:1 ATEX Cat.3G Zone 2
	Q	IEC 80B5 28.88:1
	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/FFKM

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

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/FFKM

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.



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

Series FXS Order Guide



Build Part Number

F	S	3	4	5	6	7	8	9	10	11	12
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A complete Series FXS part number is 8 or 12 digits depending on selected options. For example, FS1BDA2KC or FS2AA2JDA2JD. Note that some codes are multiple digits.

DIGIT	CODE	PUMP TYPE
1-2	FS	FIXED ECCENTRIC SOLAR OPTIMIZED

DIGIT	CODE	PUMP CONFIGURATION
3	1	SINGLE HEAD
	2	DUAL HEAD SIMULTANEOUS*

*Dual head simultaneous does not allow independent rate adjustment per head.

DIGIT	CODE	MOTOR
4	A	12VDC, VARIABLE SPEED 6-67 RPM, Ta 40°C, 0.20HP, 150 LB-IN, C1D2, 30FT #12/2C, QUICK CONNECTS FOR MANUAL HAND CONTROL
	B	12VDC, VARIABLE SPEED 6-67 RPM, Ta 40°C, 0.20HP, 150 LB-IN, C1D2, 10FT #14/7C, FLYING LEADS FOR AUTOMATED CONTROL

PUMP HEAD 1 CONFIGURATION

DIGIT	CODE	HEAD SERIES & POSITION
5	A	1250 LEFT
	C	1500 LEFT

DIGIT	CODE	PLUNGER MATERIAL
6	1	316SS
	2	CERAMIC COATED HASTELLOY*
	3	DUPLEX 2205
	4	HASTELLOY C276
	5	TITANIUM
	6	SOLID CERAMIC**

* 1500 1.5" plunger is ceramic coated 316SS.

** Available for series 1250 head in 1/4" & 3/8" plunger sizes only.

DIGIT	CODE	HEAD DETAIL
7	A	1/8 1250 MODULAR
	C	1/8 1250 DEDICATED HP
	E	3/16 1250 MODULAR
	Y	3/16 1250 DEDICATED HP
	G	1/4 1250 MODULAR
	J	1/4 1250 DEDICATED HP
	K	3/8 1250 MODULAR
	M	1/2 1250 MODULAR
	P	1/2 1250 EXTREME VISCOSITY
	Q	3/8 1500 DEDICATED HP
	R	1/2 1500 MODULAR
	S	1/2 1500 DEDICATED HP
	T	3/4 1500 MODULAR
	U	3/4 1500 EXTREME VISCOSITY
	V	1 1500 MODULAR
	W	1 1500 EXTREME VISCOSITY
	X	1-1/2 1500 DEDICATED

DIGIT	CODE	HEAD & SEAL MATERIALS*
8	A	316SS VITON
	B	316SS HNBR
	C	316SS FKM
	D	316SS FFKM 1250
		316SS FFKM 1500 3/8"-1"
		316SS FFKM 1500 1.5"
	E	HAST VITON 1250
	F	HAST HNBR 1250
		HAST HNBR 1500
	G	HAST FKM 1250
		HAST FKM 1500
	H	HAST FFKM 1250
		HAST FFKM 1500 3/8"-1"
		HAST FFKM 1500 1.5"
	J	PVC VITON 1250
	K	PVC HNBR 1250
		PVC HNBR 1500 3/8"-1"***
	L	PVC FKM 1250
		PVC FKM 1500 3/8"-1"***
	M	PVC FFKM 1250
PVC FFKM 1500 3/8"-1"***		
N	Ti VITON	
P	Ti HNBR	
Q	Ti FKM	
R	Ti FFKM	
S	2205 VITON	
T	2205 HNBR	
U	2205 FKM	
V	2205 FFKM	

* Defines wetted materials only. Flange, plunger adapter, & bolts remain 316SS.

** PVC head with hastelloy check valves setup not available for 1500-1.5".

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



