

CheckPoint Pumps & Systems **Pump Order Guide**



CheckPoint Headquarters
21356 Marion Lane
Mandeville, Louisiana 70471
United States of America
+1 (504) 340-0770

CheckPoint UK
C2 Lombard Centre
Kirkhill Place, Kirkhill Industrial Estate
Dyce, Aberdeen AB21 0GU Scotland
+44 (0)1224 775205

CP Pumps & Systems FZE
Shed 2, Warehouses 7 & 8
RAK Technology Park | P.O. Box 54796
Ras Al Khaimah | UAE
+971 (4) 8806278

Series GX15 Order Guide



Build Part Number

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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A complete Series GX15 part number is 14 digits. For example, GX15G12Y3QLC34. Note that some codes are multiple digits.

DIGIT	CODE	CYLINDER DIAMETER
1-4	GX15	1.50 IN

DIGIT	CODE	MOTOR TYPE
5	G	GAS RECOVERY

DIGIT	CODE	STROKE LENGTH
6	1	1.00 IN

DIGIT	CODE	PLUNGER DIAMETER
7	2	1/4 IN

DIGIT	CODE	PLUNGER MATERIAL
8	Y	SOLID CERAMIC W/316SS PIN

DIGIT	CODE	HEAD MATERIAL
9	3	316 SS

DIGIT	CODE	PACKING MATERIAL
10-12	ALC	VITON/PEEK/CTFM
	FLC	FFKM/PEEK/CTFM
	HLC	HNBR/PEEK/CTFM
	QLC	FKM/PEEK/CTFM

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
13	3	316SS POPPET

DIGIT	CODE	CHECK SEAL MATERIAL*
14	1	VITON
	4	FKM
	5	HNBR
	8	FFKM

*Always match the packing material selection.



Series 1250 Order Guide



Build Part Number

P 2 5	2	3	4	5	6	7	8	9	10	11	12
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A complete Series 1250 part number can range from 12 to 17 digits, depending on the options selected. Condense the part number to eliminate blank digits. For example, P25B12C3DQ34 or P25G1HH5HHFLCH8HB.

DIGIT	CODE	CYLINDER DIAMETER
1	P25	2.50 IN

DIGIT	CODE	MOTOR TYPE
2	B	VENT TO ATMOSPHERE
	G	GAS RECOVERY
	S	SOLENOID ACTUATION

DIGIT	CODE	STROKE LENGTH
3	1	1.00 IN
	2	0.50 IN

DIGIT	CODE	PISTON / BOTTOM FLANGE MAT
4	H	HAST C276 PISTON
	HH	HAST C276 PISTON & BTM FLANGE
	BLANK	316SS PISTON & BOTTOM FLANGE

DIGIT	CODE	PLUNGER DIAMETER
5	1	1/8 IN
	6	3/16 IN
	2	1/4 IN
	3	3/8 IN
	5	1/2 IN

DIGIT	CODE	PLUNGER MATERIAL
6	C	CERAMIC COATED HASTELLOY
	3	S316
	D	DUPLEX 2205
	H	HASTELLOY C276
	T	TITANIUM
	Y	SOLID CERAMIC W/316SS PIN*

*Available in 1/4" & 3/8" plunger sizes only.

DIGIT	CODE	HEAD MATERIAL
7	3	316 SS
	D	DUPLEX 2205
	H	HASTELLOY C276
	K	KYNAR
	P	PVC
	T	TITANIUM

DIGIT	CODE	HEAD TYPE
8	D	DEDICATED HIGH PRESSURE*
	E	EXTREME VISCOSITY**
	BLANK	STANDARD MODULAR

* Dedicated High Pressure head available for 1/8", 3/16", & 1/4" plungers only.

** Series EV (Extreme Viscosity) head is only available in 1/2" size plunger.

DIGIT	CODE	PACKING MATERIAL*
9	ALC/A	VITON/PEEK/CTFM
	ELC/E	EPDM/PEEK/CTFM
	FLC/F	FFKM/PEEK/CTFM
	HLC/H	HNBR/PEEK/CTFM
	QLC/Q	FKM/PEEK/CTFM

*Use 3-digit code for modular head and 1-digit code for dedicated head.

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
10	3	316SS POPPET
	B	316SS BALL
	D	DUPLEX 2205 POPPET
	H	HASTELLOY C276 POPPET
	T	TITANIUM POPPET

DIGIT	CODE	CHECK SEAL MATERIAL*
11	1	VITON
	4	FKM
	5	HNBR
	8	FFKM
	9	EPDM
	T	TEFLON (PTFE) - BALL ONLY

*Always match the packing material selection, except Teflon.

DIGIT	CODE	BOLTS (BOTTOM FLANGE & HEAD)
12	HB	HASTELLOY C276
	BLANK	316SS

NOTE
Options marked "CALL" may have extended lead times.



Series 1500 Order Guide



Build Part Number

P 5 0	2	3	4	5	6	7	8	9	10	11	12
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A complete Series 1500 part number can range 13 to 18 digits, depending on options selected. Condense the part number to eliminate blank digits. For example, P50B108C3DQ34 or P50G1HH16HHFLCH8HB.

DIGIT	CODE	CYLINDER DIAMETER
1	P50	5.00 IN

DIGIT	CODE	OPTIONS
2	B	VENT TO ATMOSPHERE
	G	GAS RECOVERY
	S	SOLENOID ACTUATION

DIGIT	CODE	STROKE LENGTH
3	1	1.00 IN
	2	0.50 IN

DIGIT	CODE	PISTON / BOTTOM FLANGE MAT
4	H	HAST C276 PISTON
	HH	HAST C276 PISTON & BTM FLANGE
	BLANK	316SS PISTON & BOTTOM FLANGE

DIGIT	CODE	PLUNGER DIAMETER
5	06	3/8 IN - DEDICATED ONLY
	08	1/2 IN - STANDARD OR DEDICATED
	12	3/4 IN - STANDARD ONLY
	16	1 IN - STANDARD ONLY
	24	1.5 IN - DEDICATED ONLY

DIGIT	CODE	PLUNGER MATERIAL
6	C	CERAMIC COATED HASTELLOY*
	3	316SS
	D	DUPLEX 2205
	H	HASTELLOY C276
	T	TITANIUM

*1.5" plunger is ceramic coated S316.

DIGIT	CODE	HEAD MATERIAL
7	3	316 SS
	D	DUPLEX
	H	HASTELLOY C276
	K	KYNAR (NOT AVAILABLE FOR 1.5")
	P	PVC (NOT AVAILABLE FOR 1.5")
	T	TITANIUM

DIGIT	CODE	HEAD TYPE
8	D	DEDICATED
	E	EXTREME VISCOSITY*
	BLANK	STANDARD MODULAR

* Series EV (Extreme Viscosity) head is only available in 3/4" & 1" size plungers.

DIGIT	CODE	PACKING MATERIAL*
9	FLC/F	FFKM/PEEK/CTFM FOR 3/8"-1"
		FFKM/PEEK/CTFM FOR 1.5"
	HLC/H	HNBR/PEEK/CTFM FOR ALL
	QLC/Q	FKM/PEEK/CTFM FOR ALL

*Use 3-digit code for modular head and 1-digit code for dedicated head.

DIGIT	CODE	CHECK BODY MATERIAL & TYPE
10	3	316SS POPPET
	B	316SS BALL
	D	DUPLEX 2205 POPPET
	H	HASTELLOY C276 POPPET
	T	TITANIUM POPPET

DIGIT	CODE	CHECK SEAL MATERIAL*
11	4	FKM
	5	HNBR
	8	FFKM

*Always match the packing material selection.

DIGIT	CODE	BOLTS (BOTTOM FLANGE & HEAD)
12	HB	HASTELLOY C276
	BLANK	316SS



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

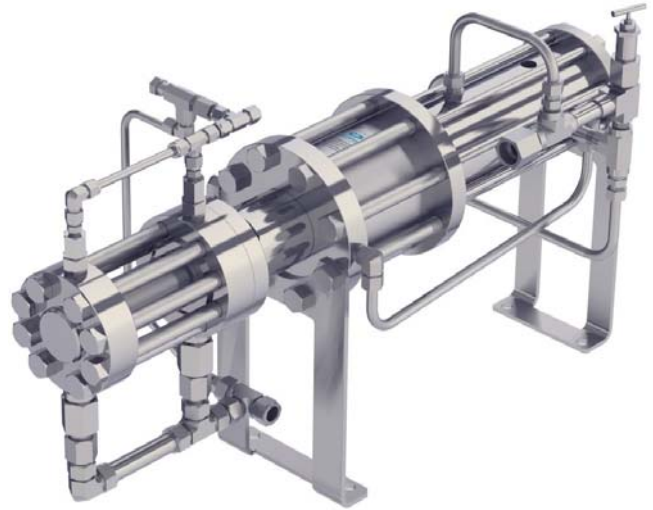
DIGIT	CODE	HEAD MATERIAL
7	6	SS316*
	N	NITRONIC-50**

* 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



Series FXA Order Guide



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 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
	-	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
	L	PVC FKM 1250
		PVC FKM 1500
	M	PVC FFKM 1250
PVC FFKM 1500 3/8"-1"		
PVC FFKM 1500 1.5"		
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.

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 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
	-	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

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

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.



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
	L	PVC FKM 1250
		PVC FKM 1500
	M	PVC FFKM 1250
PVC FFKM 1500 3/8"-1"		
PVC FFKM 1500 1.5"		
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.

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



Build Part Number Continued...

PUMP HEAD 2 CONFIGURATION

Only continue if pump configuration is dual head.

DIGIT	CODE	HEAD SERIES & POSITION
9	A	1250 LEFT*
	C	1500 LEFT*

* FXS head 2 is stacked on head 1 on left side and is furthest from the motor.

DIGIT	CODE	PLUNGER MATERIAL
10		SAME CODE OPTIONS AS DIGIT 6

DIGIT	CODE	HEAD DETAIL
11		SAME CODE OPTIONS AS DIGIT 7

DIGIT	CODE	HEAD & SEAL MATERIALS*
12		SAME CODE OPTIONS AS DIGIT 8



Series S Order Guide



Build Part Number

1	2	3	4	5	6	7	8	9	10	11	12
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A complete Series S part number is 12 digits. For example, S1X072SSTA10. Note that some codes are multiple digits.

DIGIT	CODE	PUMP TYPE
1-2	S1	SERIES S1 ELECTRIC SOLENOID DRIVEN DIAPHRAGM

DIGIT	CODE	FLOW RATE / DISCHARGE PRESSURE / DIAPHRAGM DIAMETER
3-6	X041	0.42 GPH (1.58 LPH) / 140 PSI (9.6 BAR) / 0.5" DIAPHRAGM *DC POWER CONNECTION ONLY
	X061	0.63 GPH (2.37 LPH) / 150 PSI (10.3 BAR) / 0.5" DIAPHRAGM
	X072	0.71 GPH (2.68 LPH) / 250 PSI (17.2 BAR) / 0.5" DIAPHRAGM
	X121	1.25 GPH (4.73 LPH) / 110 PSI (7.5 BAR) / 0.9" DIAPHRAGM *PVDF HEAD ONLY

DIGIT	CODE	HEAD & CHECK BODY MATERIAL
7	P	PVDF HEAD & CHECKS, 1/4" MNPT, WITH BLEED
	S	SS316 HEAD & CHECKS, 1/4" MNPT, NO BLEED

DIGIT	CODE	CHECK VALVE TYPE
8	C	BALL, CERAMIC *PVDF HEAD ONLY
	S	BALL, SS316 *SS316 HEAD ONLY

DIGIT	CODE	CHECK VALVE SEAL MATERIAL
9	T	TEFLON

DIGIT	CODE	POWER CONNECTION
10-11	A1	120VAC, FUSE, USA PLUG, 5.5 FT
	A2	240VAC, FUSE, USA PLUG, 5.5 FT
	D1	12VDC, NO FUSE, ON/OFF SWITCH *FLOW RATE CODE MUST BE X041 ONLY

DIGIT	CODE	SPECIAL
12	0	NONE



Build Part Number

A	T	P	1	5	6	7	-	9	10	11	12	13	14
-	16	17	18	19	20	21							

A complete Series ATP part number is 14 or 21 digits depending on selected options. For example, ATP11DL-A308RH or ATP12CL-A306RQ-A304RF. Note that some codes are multiple digits.

DIGIT	CODE	SERIES DRIVE TYPE
1-2	AT	ADJUSTABLE TRAVEL VERSION 1

DIGIT	CODE	HEAD TECHNOLOGY
3	P	PLUNGER

DIGIT	CODE	DRIVE STYLE
4	1	STYLE 1

DIGIT	CODE	NUMBER OF HEADS
5	1	1 HEAD
	2	2 HEADS

DIGIT	CODE	MOTOR
6	C	12VDC, VARIABLE SPEED 6-67 RPM, Ta 40°C, 0.20HP, 150 LB-IN, C1D2, 30FT #12/2C, QUICK CONNECTS*, IP65, 9 O'CLOCK SHAFT FOR MANUAL HAND CONTROL
	D	12VDC, VARIABLE SPEED 6-67 RPM, Ta 40°C, 0.20HP, 150 LB-IN, C1D2, 10FT #14/7C, FLYING LEADS IP65, 9 O'CLOCK SHAFT FOR AUTOMATED CONTROL
	J	115VAC/1PH/60HZ, SINGLE SPEED, 60 RPM, Ta 40°C, 0.14HP, 150 LB-IN, C1D2, NO CABLE INCLUDED 9 O'CLOCK SHAFT FOR MANUAL HAND CONTROL
	K	115VAC/1PH/60HZ, SINGLE SPEED, 60 RPM, Ta 40°C, 0.14HP, 150 LB-IN, C1D2, 30FT #14/3C NEMA PLUG* 9 O'CLOCK SHAFT FOR MANUAL HAND CONTROL

* Quick connect or plug end is unclassified and must be installed in a safe zone.

DIGIT	CODE	MOUNT
7	L	LEGS, 20" HEIGHT

PUMP HEAD 1 CONFIGURATION

DIGIT	CODE	HEAD STYLE
9	A	STYLE A

DIGIT	CODE	HEAD / CHECK BODY MATERIAL
10	3	S316

DIGIT	CODE	PLUNGER DIAMETER
11-12	04	1/4"
	06	3/8"
	08	1/2"

DIGIT	CODE	PLUNGER MATERIAL
13	7	17-4PH BARE

DIGIT	CODE	WETTED SEAL MATERIAL
14	A	VITON
	F	FFKM
	H	HNBR
	Q	FKM

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 STYLE
16	A	STYLE A

DIGIT	CODE	HEAD / CHECK BODY MATERIAL
17	3	S316

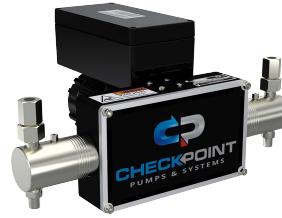
DIGIT	CODE	PLUNGER DIAMETER
18-19	04	1/4"
	06	3/8"
	08	1/2"

DIGIT	CODE	PLUNGER MATERIAL
20	7	17-4PH BARE

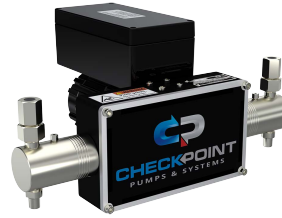
DIGIT	CODE	WETTED SEAL MATERIAL
21	A	VITON
	F	FFKM
	H	HNBR
	Q	FKM



Series ATP Parts Order Guide



PART #	DESCRIPTION
KIT MISCELLANEOUS	
AT1CAR	CARRIAGE ASSEMBLY
AT1ADJ	ADJUSTMENT RETAINER ASSEMBLY, INCLUDES RETAINER BLOCK, 2 MOUNT BOLTS, 1 TENSION BOLT
ATP1KBA-A3	KIT BLEED ASSY - BLEED SCREW, SPRING, BALL
ATP1KLA-A3	KIT LEG ASSY - 1 x LEG, 2 X BOLTS, 2 X NUTS
ATPMIT-01	MOTOR INSTALLATION TOOL
KIT HEAD CONVERSION: ATP1KHC-A3##7# (HTO DIGIT 9-14)	
ATP1KHC-A3047A	KIT HEAD CONVERSION, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, VITON SEALS
ATP1KHC-A3047F	KIT HEAD CONVERSION, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, FFKM SEALS
ATP1KHC-A3047H	KIT HEAD CONVERSION, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, HNBR SEALS
ATP1KHC-A3047Q	KIT HEAD CONVERSION, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, FKM SEALS
ATP1KHC-A3067A	KIT HEAD CONVERSION, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, VITON SEALS
ATP1KHC-A3067F	KIT HEAD CONVERSION, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, FFKM SEALS
ATP1KHC-A3067H	KIT HEAD CONVERSION, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, HNBR SEALS
ATP1KHC-A3067Q	KIT HEAD CONVERSION, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, FKM SEALS
ATP1KHC-A3087A	KIT HEAD CONVERSION, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, VITON SEALS
ATP1KHC-A3087F	KIT HEAD CONVERSION, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, FFKM SEALS
ATP1KHC-A3087H	KIT HEAD CONVERSION, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, HNBR SEALS
ATP1KHC-A3087Q	KIT HEAD CONVERSION, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, FKM SEALS
KIT ADD SECOND HEAD: ATP1KSH-A3##7# (HTO DIGIT 9-14)	
ATP1KSH-A3047A	KIT ADD SECOND HEAD, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, VITON SEALS, ADJ RETAINER ASSY
ATP1KSH-A3047F	KIT ADD SECOND HEAD, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FFKM SEALS, ADJ RETAINER ASSY
ATP1KSH-A3047H	KIT ADD SECOND HEAD, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, HNBR SEALS, ADJ RETAINER ASSY
ATP1KSH-A3047Q	KIT ADD SECOND HEAD, 1/4" 316SS HEAD, 1/4" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FKM SEALS, ADJ RETAINER ASSY
ATP1KSH-A3067A	KIT ADD SECOND HEAD, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, VITON SEALS, ADJ RETAINER ASSY
ATP1KSH-A3067F	KIT ADD SECOND HEAD, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FFKM SEALS, ADJ RETAINER ASSY
ATP1KSH-A3067H	KIT ADD SECOND HEAD, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, HNBR SEALS, ADJ RETAINER ASSY
ATP1KSH-A3067Q	KIT ADD SECOND HEAD, 3/8" 316SS HEAD, 3/8" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FKM SEALS, ADJ RETAINER ASSY
ATP1KSH-A3087A	KIT ADD SECOND HEAD, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, VITON SEALS, ADJ RETAINER ASSY
ATP1KSH-A3087F	KIT ADD SECOND HEAD, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FFKM SEALS, ADJ RETAINER ASSY
ATP1KSH-A3087H	KIT ADD SECOND HEAD, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, HNBR SEALS, ADJ RETAINER ASSY
ATP1KSH-A3087Q	KIT ADD SECOND HEAD, 1/2" 316SS HEAD, 1/2" 17-4 PLUNGER, 2 X 316SS CHECK VALVES, FKM SEALS, ADJ RETAINER ASSY



PART #	DESCRIPTION
KIT HEAD REBUILD: ATP1KHR-A### (HTO DIGIT 9,11-12,14)	
ATP1KHR-A04A	KIT HEAD REBUILD, 1/4", VITON - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A04F	KIT HEAD REBUILD, 1/4", FFKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A04H	KIT HEAD REBUILD, 1/4", HNBR - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A04Q	KIT HEAD REBUILD, 1/4", FKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A06A	KIT HEAD REBUILD, 3/8", VITON - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A06F	KIT HEAD REBUILD, 3/8", FFKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A06H	KIT HEAD REBUILD, 3/8", HNBR - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A06Q	KIT HEAD REBUILD, 3/8", FKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A08A	KIT HEAD REBUILD, 1/2", VITON - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A08F	KIT HEAD REBUILD, 1/2", FFKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A08H	KIT HEAD REBUILD, 1/2", HNBR - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
ATP1KHR-A08Q	KIT HEAD REBUILD, 1/2", FKM - PLUNGER/WIPER SEAL, 2 X BUSHING, 2 X U-CUP, SUCTION & DISCHARGE CHECK SEALS/SPRING
KIT PLUNGER: KPLRU##S7-001	
KPLRU04S7-001	KIT PLUNGER, 1/4" 17-4 PLUNGER, RETAINING RING
KPLRU06S7-001	KIT PLUNGER, 3/8" 17-4 PLUNGER, RETAINING RING
KPLRU08S7-001	KIT PLUNGER, 1/2" 17-4 PLUNGER, RETAINING RING
SUCTION CHECK VALVE: CSS04IS6#101 (HTO DIGIT 14)	
CSS04IS6A101	SUCTION CHECK VALVE, 316SS BODY, VITON SEALS, POPPET, 1/4"NPT INLET
CSS04IS6F101	SUCTION CHECK VALVE, 316SS BODY, FFKM SEALS, POPPET, 1/4"NPT INLET
CSS04IS6H101	SUCTION CHECK VALVE, 316SS BODY, HNBR SEALS, POPPET, 1/4"NPT INLET
CSS04IS6Q101	SUCTION CHECK VALVE, 316SS BODY, FKM SEALS, POPPET, 1/4"NPT INLET
KIT SUCTION CHECK VALVE REBUILD: KFM04S6#201 (HTO DIGIT 14)	
KFM04S6A201	KIT SUCTION CHECK REBUILD, VITON SEALS, SPRING
KFM04S6F201	KIT SUCTION CHECK REBUILD, FFKM SEALS, SPRING
KFM04S6H201	KIT SUCTION CHECK REBUILD, HNBR SEALS, SPRING
KFM04S6Q201	KIT SUCTION CHECK REBUILD, FKM SEALS, SPRING
DISCHARGE CHECK VALVE: CDF04S6#201 (HTO DIGIT 14)	
CDF04S6A201	DISCHARGE CHECK VALVE, 316SS BODY, VITON SEALS, POPPET, 1/4"NPT OUTLET
CDF04S6F201	DISCHARGE CHECK VALVE, 316SS BODY, FFKM SEALS, POPPET, 1/4"NPT OUTLET
CDF04S6H201	DISCHARGE CHECK VALVE, 316SS BODY, HNBR SEALS, POPPET, 1/4"NPT OUTLET
CDF04S6Q201	DISCHARGE CHECK VALVE, 316SS BODY, FKM SEALS, POPPET, 1/4"NPT OUTLET



PART #	DESCRIPTION
KIT DISCHARGE CHECK VALVE REBUILD: KFF04S6#201 (HTO DIGIT 14)	
KFF04S6A201	KIT DISCHARGE CHECK REBUILD, VITON SEALS, SPRING
KFF04S6F201	KIT DISCHARGE CHECK REBUILD, FFKM SEALS, SPRING
KFF04S6H201	KIT DISCHARGE CHECK REBUILD, HNBR SEALS, SPRING
KFF04S6Q201	KIT DISCHARGE CHECK REBUILD, FKM SEALS, SPRING
MOTOR (CORRESPONDS TO HTO DIGIT 6)	
SOLR0009-307M	OPT C: 12VDC, VARIABLE SPEED, 6-67 RPM, Ta 40C, 0.20HP, 150 LB-IN, C1D2, 30FT #12/2C, UNCLASSIFIED QUICK CONNECTS, IP65, 9 O'CLOCK SHAFT, FOR MANUAL HAND CONTROL
SOLR0009-307A	OPT D: 12VDC, VARIABLE SPEED 6-67 RPM, Ta 40C, 0.20HP, 150 LB-IN, C1D2, 10FT #14/7C, FLYING LEADS, IP65, 9 O'CLOCK SHAFT, FOR AUTOMATED CONTROL
EMACFS115V60H1P0020-01	OPT J: 115VAC/1PH/60HZ, SINGLE SPEED, 60 RPM, Ta 40C, 0.14HP, 150 LB-IN, C1D2, NO CABLE INCLUDED, 9 O'CLOCK SHAFT, FOR MANUAL HAND CONTROL
EMACFS115V60H1P0020-02	OPT K: 115VAC/1PH/60HZ, SINGLE SPEED, 60 RPM, Ta 40C, 0.14HP, 150 LB-IN, C1D2, 30FT #14/3C UNCLASSIFIED NEMA PLUG, 9 O'CLOCK SHAFT, FOR MANUAL HAND CONTROL

Series SPS Order Guide



Build Part Number

S	P	S	4	5	6	7	8	9	10	11	12	13	14	15	16
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A complete Series SPS part number is 16 digits. For example, SPS2G100WG110HMO. Note that some codes are multiple digits.

DIGIT	CODE	PRODUCT TYPE
1-3	SPS	SOLAR POWER SYSTEM

DIGIT	CODE	DC POWER
4	2	12 VDC

DIGIT	CODE	PANEL MOUNT TYPE
5	G	GROUND A-FRAME
	P	TOP OF POLE

DIGIT	CODE	PANEL ARRAY SIZE
6-9	FOR [G] GROUND A-FRAME PANEL MOUNT TYPE	
	100W	100 WATT (1 x 100W PANEL)
	200W	200 WATT (2 x 100W PANEL)
	FOR [P] TOP OF POLE PANEL MOUNT TYPE	
	100W	100 WATT (2 x 100W PANEL)
	200W	200 WATT (2 x 100W PANEL)
	300W	300 WATT (3 x 100W PANEL)

DIGIT	CODE	BATTERY BOX MOUNT TYPE
10	G	GROUND INSTALLATION
	P	POLE OR WALL INSTALLATION
	T	TRIPOD BASE INCLUDED*

*Digit 5 must be code P. Only available for top of pole panel mount type.

DIGIT	CODE	BATTERY BANK SIZE
11-14	FOR [G] GROUND BATTERY BOX MOUNT TYPE	
	110H	110 AMP-HOUR (1 x 110AH BATT)
	220H	220 AMP-HOUR (2 x 110AH BATT)
	FOR [P] POLE OR [T] TRIPOD BATTERY BOX MOUNT TYPE	
	110H	110 AMP-HOUR (1 x 110AH BATT)
	220H	220 AMP-HOUR (2 x 110AH BATT)

DIGIT	CODE	CONTROL
15	M	MANUAL
	T	THERMOSTAT RUN PERMISSIVE
	I	INTELLIJECT LITE AUTO-READY*

*IntelliJECT hardware sold separately. Auto-Ready for 12VDC variable speed DC motor.

DIGIT	CODE	SPECIAL
16	0	STANDARD DESIGN

Series SBB Order Guide



Build Part Number

S	B	B	4	5	6	7	8	9	10	11
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A complete Series SBB part number is 11 digits. For example, SBB2P110HI0. Note that some codes are multiple digits.

DIGIT	CODE	PRODUCT TYPE
1-3	SBB	SOLAR BATTERY BOX SUBASSY

DIGIT	CODE	DC POWER
4	2	12 VDC

DIGIT	CODE	BATTERY BOX MOUNT TYPE
5	G	GROUND
	P	POLE OR WALL

DIGIT	CODE	BATTERY BANK SIZE
6-9	FOR [G] GROUND BATTERY BOX MOUNT TYPE	
	110H	110 AMP-HOUR (1 x 110AH BATT)
	220H	220 AMP-HOUR (2 x 110AH BATT)
	FOR [P] POLE OR [T] TRIPOD BATTERY BOX MOUNT TYPE	
	110H	110 AMP-HOUR (1 x 110AH BATT)
	220H	220 AMP-HOUR (2 x 110AH BATT)

DIGIT	CODE	CONTROL
10	M	MANUAL
	T	THERMOSTAT RUN PERMISSIVE
	I	INTELLIJECT LITE AUTO-READY*

*IntelliJECT hardware sold separately. Auto-Ready for 12VDC variable speed DC motor.

DIGIT	CODE	SPECIAL
11	0	STANDARD DESIGN

Series SPM Order Guide



Build Part Number

S	P	M	4	5	6	7	8	9	10
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A complete Series SPM part number is 10 digits. For example, SPM2P100W0. Note that some codes are multiple digits.

DIGIT	CODE	PRODUCT TYPE
1-3	SPM	SOLAR PANEL MOUNT SUBASSY

DIGIT	CODE	DC POWER
4	2	12 VDC

DIGIT	CODE	PANEL MOUNT TYPE
5	G	GROUND A-FRAME
	P	TOP OF POLE

DIGIT	CODE	PANEL ARRAY SIZE
6-9	FOR [G] GROUND A-FRAME PANEL MOUNT TYPE	
	100W	100 WATT (1 x 100W PANEL)
	200W	200 WATT (2 x 100W PANEL)
	FOR [P] TOP OF POLE PANEL MOUNT TYPE	
	100W	100 WATT (2 x 100W PANEL)
	200W	200 WATT (2 x 100W PANEL)
	300W	300 WATT (3 x 100W PANEL)

DIGIT	CODE	SPECIAL
10	0	STANDARD DESIGN