Explanation of Pump Nomenclature
S1F Non-Metallic · Design Level 3 · Ball Valve

Model	Pump Brand	Pump Size	Check Valve Type	Design Level	Wetted Material	Diaphragm/ Check Valve Materials	Check Valve Seat	Non-Wetted Material Options	Porting Options	Pump Style	Pump Options	Kit Options	Shipping Weight lbs. (kg)
S1FB3P1PPUS000.	S	1F	B	3	P	1	P	P	U	S	0	00.	42 (19)
S1FB3P2PPUS000.	S	1F	B	3	P	2	P	P	U	S	0	00.	42 (19)
S1FB3PBPPUS000.	S	1F	B	3	P	B	P	P	U	S	0	00.	42 (19)
S1FB3PGPPUS000.	S	1F	B	3	P	G	P	P	U	S	0	00.	42 (19)
S1FB3PNPPUS000.	S	1F	B	3	P	N	P	P	U	S	0	00.	42 (19)
S1FB3K1KPUS000.	S	1F	B	3	K	1	K	P	U	S	0	00.	54 (24)
S1FB3K2KPUS000.	S	1F	B	3	K	2	K	P	U	S	0	00.	54 (24)

Note: Models listed in the table are for reference only. See nomenclature below for other models.

Pump Brand
S= SANDPIPER®

Pump Size
1F= 1" Full Flow

Check Valve Type
B= Ball

Design Level
3= Design Level 3

Wetted Material
K= PVDF
P= Polypropylene
⚠ C= Conductive Polypropylene
⚠ V= Conductive PVDF

Diaphragm Check Valve Materials
1= Santoprene/Santoprene
2= PTFE Santoprene Backup/PTFE
3= PTFE Pumping, PTFE-Santoprene Backup Driver/PTFE
4= Santoprene Pumping/Santoprene
B= Nitrile/Nitrile
G= PTFE-Neoprene Backup/PTFE
N= Neoprene/Neoprene
V= FKM/FKM
Y= PTFE Pumping/One-Piece Bonded Driver/PTFE
Z= One-Piece Bonded/PTFE

Check Valve Seat
K= PVDF
P= Polypropylene

Non-Wetted Material Options
P= Polypropylene
1= 40% Glass Filled Polypropylene with PTFE hardware
⚠ C= Conductive Polypropylene

Porting Options
U= Universal (Fits ANSI and DIN)
7= Dual Porting (ANSI)
8= Top Dual Porting (ANSI)
9= Bottom Dual Porting (ANSI)

Pump Style
D= With Electronic Leak Detection (110 V)
E= With Electronic Leak Detection (220V)
M= With Mechanical Leak Detection
S= Standard
V= With Visual Leak Detection

Pump Options
⚠ 0= None
1= Sound Dampening Muffler
2= Mesh Muffler
3= High temperature Air Valve w/Integral Muffler

Pump Options Continued
4= High temperature Air Valve w/Sound Dampening Muffler
5= High temperature Air Valve w/Mesh Muffler
⚠ 6= Metal Muffler
⚠ 7= Metal Muffler with Grounding Cable

Kit Options
⚠ 00.= None
P0.= 10-30VDC Pulse Output Kit
◇ P1.= Intrinsically-Safe 5-30VDC, 110/120VAC 220/240 VAC Pulse Output Kit
P2.= 110/120 or 220/240VAC Pulse Output Kit
E0.= Solenoid Kit with 24VDC Coil
△ E1.= Solenoid Kit with 24VDC Explosion-Proof Coil
E2.= Solenoid Kit with 24VAC/12VDC Coil

Kit Options Continued
△ E3.= Solenoid Kit with 12VDC Explosion-Proof Coil
E4.= Solenoid Kit with 110VAC Coil
△ E5.= Solenoid Kit with 110VAC Explosion-Proof Coil
E6.= Solenoid Kit with 220VAC Coil
△ E7.= Solenoid Kit with 220VAC Explosion-Proof Coil
△ E8.= Solenoid Kit with 110VAC, 50 Hz Explosion-Proof Coil
△ E9.= Solenoid Kit with 230VAC, 50 Hz Explosion-Proof Coil
SP.= Stroke Indicator Pins

◆ A1.= Solenoid Kit with 12 VDC Explosion-Proof Coil
◆ A2.= Solenoid Kit with 24 VDC Explosion-Proof Coil
◆ A3.= Solenoid Kit with 110/120 VAC 50/60 Hz Explosion-Proof Coil
◆ A4.= Solenoid Kit with 220/240 VAC 50/60 Hz Explosion-Proof Coil

(1) Ⓔx II 2GD T5

⚠ Note: Pumps are only ATEX compliant when ordered with wetted material option C or V, non-wetted material option C, pump option 0, 6 or 7, and kit option 0.

(2) Ⓔx II 2G Ex ia c IIC T5
II 2D c iaD 20 IP67 T100˚C

◇ Note: Pumps ordered with the options listed in (1) to the left are ATEX compliant when ordered with kit option P1.

(3*) Ⓔx II 2G EEx m c T5
II 2D c IP65 T100°C

◆ Note: Pumps ordered with the options listed in (1) to the left are ATEX compliant when ordered with kit option A1, A2, A3, or A4.

*Note: See page 24 for **Special Conditions For Safe Use**.

(4) FM APPROVED IEC EEX m T4 CSA®

△ Note: Pump models equipped with these explosion-proof solenoid kit options E1, E3, E5, E7, E8 or E9, are certified and approved by the above agencies. They are NOT ATEX compliant.