



FS Specifications

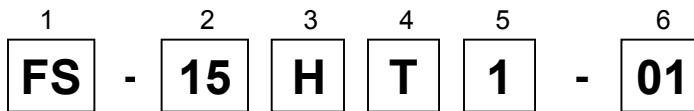
Item	FS-15HT1/T2	FS-30HT1/T2	FS-60HT1/T2
Max discharge volume ¹	4.0 Gal/min (15 L/min)	8.0 Gal/min (30 L/min)	14.5 Gal/min (55 L/min)
Max stroke speed ²	240 spm	220 spm	200 spm
Self-priming ability ³	3.3 ft. (1.0 m)	6.6 ft. (2.0 m)	6.6 ft. (2.0 m)
Liquid temperature range	41-122°F (5-50°C) 123-212°F (51-100°C) 213-356°F (101-180°C)	41-122°F (5-50°C) 123-212°F (51-100°C) 213-356°F (101-180°C)	41-122°F (5-50°C) 123-212°F (51-100°C) 213-356°F (101-180°C)
Supply air pressure range	21.3-71.1 psi (0.15-0.5 MPa) 21.3-43.6 psi (0.15-0.3 MPa) 21.3-28.4 psi (0.15-0.2 MPa)	21.3-71.1 psi (0.15-0.5 MPa) 21.3-43.6 psi (0.15-0.3 MPa) 21.3-28.4 psi (0.15-0.2 MPa)	21.3-71.1 psi (0.15-0.5 MPa) 21.3-43.6 psi (0.15-0.3 MPa) 21.3-28.4 psi (0.15-0.2 MPa)
Wetted materials	PFA, PTFE		
Pump connection port	½" PFA tubing	¾" PFA tube	1" PFA tube
Supply air connection port	Rc 1/4"	Rc 1/4"	Rc 3/8"
Max air consumption (at max. discharge volume, max. supply air pressure)	7.06 ft ³ /min (200 NL/min) 5.65 ft ³ /min (160 NL/min) 3.88 ft ³ /min (110 NL/min)	7.06 ft ³ /min (200 NL/min) 5.65 ft ³ /min (160 NL/min) 3.88 ft ³ /min (110 NL/min)	7.06 ft ³ /min (200 NL/min) 5.65 ft ³ /min (160 NL/min) 3.88 ft ³ /min (110 NL/min)
Ambient temp	32~104 °F (0~40°C)		
Driving method	External forced switching of driving air		

Note 1: The maximum discharge volume is based on pure water at room temperature.

Note 2: Supply air pressure must be limited to 21.3-43.6 psi (0.15-0.30 MPa) to get the max. stroke speed. Max. Stroke speed must be 180 spm or less if supply air pressure is in the range of 43.6-71.1 psi (0.3-0.5 MPa).

Note 3: The self-priming value is based on the maximum stroke speed with pure water at room temperature.

Model Identification



- Series code
FS: Pump for low & high temperature liquid and low to high-pressure applications
- Maximum discharge volume
FS-15: 4.0 Gal/min (15 L/min)
FS-30: 8.0 Gal/min (30 L/min)
FS-60: 14.5 Gal/min (55 L/min)
- Liquid temp. H: 41-356 deg. F (5-180 deg. C)
- Pump connection port (discharge port/suction port):
T: Tube type connection (standard)
- Connection between pump head and bellows
1: Mechanical/clamp type
2: Weld type
- Special specifications