



SMX-(F) Specifications

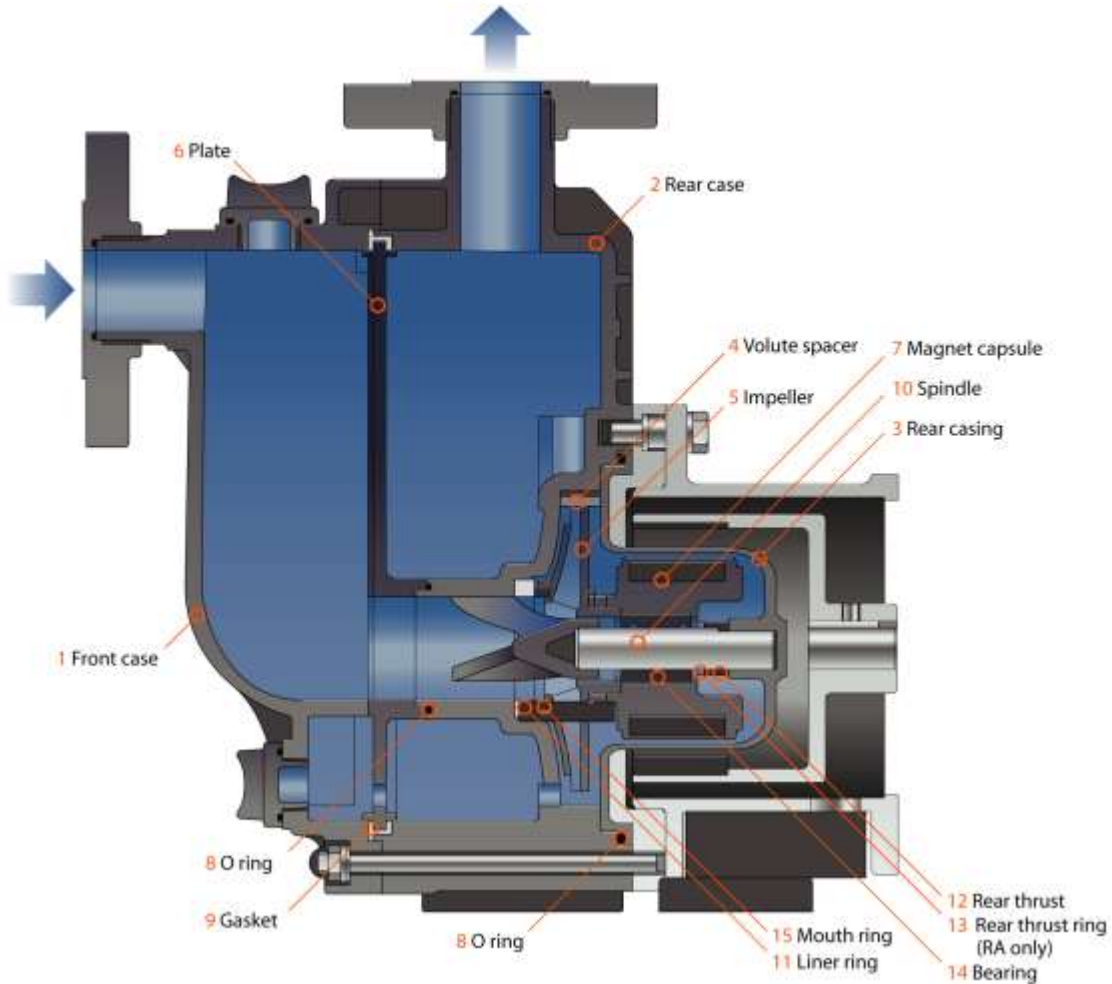
Model	Connections	Impeller	Min Flow GPM	Standard Operating Point GPM - FT	Max Capacity GPM	Motor HP	MAWP PSI	Weight w/motor lbs
SMX-(F)220	1" x 1"	Y	2.6	21 – 22	25	0.5	41	48
SMX-(F)221		X		26 – 42	45	1.0		62
		Y		21 – 22	34	1.0		62
SMX-(F)222		X		26 – 42	45	2.0		72
SMX-(F)441	1.5" x 1.5"	Y	2.6	46 – 31	74	1.0	48	64
SMX-(F)442		X		55 – 53	90	2.0		73
		Y*		40 – 38	77	1.5		73
SMX-(F)443		X		55 – 53	90	3.0		73
SMX-(F)543	2" x1.5"	Z	5.3	60 - 64	110	3.0	62	117
SMX-(F)545		Y		60 – 84	132	5.0	(43 @	150
SMX-(F)545		X		60 - 95	132	5.0	176°F)	150

Notes:

- Rated performance (head/capacity) represents the maximum discharge head/capacity measured with water at 68°F (20°C).
- Liquid temperature range: 32 - 176°F (0 - 80° C)
- Priming liquid volume:

SMX-(F)22	0.80 gal (3L)
SMX-(F)44	1.11 gal (4.2L)
SMX-(F)54	1.43 gal (5.4L)
- Self-priming performance of 13 ft in 90 seconds based on pumping clean water at ambient temperature of 68 °F (20 °C). Priming performance is reduced as liquid temperature increases.

Materials of Main Components



Component	Model	CA/CF	RA/RF	KA/KK
1. Front Case		GFRPP/CFRETFE		
2. Rear Case				
3. Rear Casing				
4. Volute Spacer				
5. Impeller				
6. Plate				
7. Magnet Capsule		PP/CFRETFE		
8. O-Ring		FKM/EPDM		
9. Gasket		FKM/EPDM		
10. Spindle		High purity alumina ceramic		SiC
11. Liner Ring		Alumina ceramic/SiC (KK)		
12. Rear Thrust		CFRPPS		
13. Rear Thrust Ring (RA/RF only)		-	Alumina ceramic	-
14. Bearing		Carbon	PTFE w/filler	SiC
15. Mouth Ring		PTFE w/ filler		