



SMX-(F) Specifications

Model	Connections Suct x Disch	Impeller Code	Max Capacity @60Hz (GPM)	Max Head (ft)	Min Flow rate (GPM)	Motor (RPM)	Motor (HP)
SMX-(F)220	1 x 1	Y	25	35	2.6	3500	½
SMX-(F)221	1 x 1	X	45	60			1
SMX-(F)221	1 x 1	Y	34	35			1
SMX-(F)222	1 x 1	X	45	60			2
SMX-(F)441	1½ x 1½	Y	74	49			1
SMX-(F)442	1½ x 1½	X	90	84			2
SMX-(F)443	1½ x 1½	X	90	84	3		
SMX-(F)543	2 x 1½	Z	110	96	5.3	3	
SMX-(F)545	2 x 1½	Y	132	112		5	
SMX-(F)545	2 x 1½	X	132	119		5	

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:

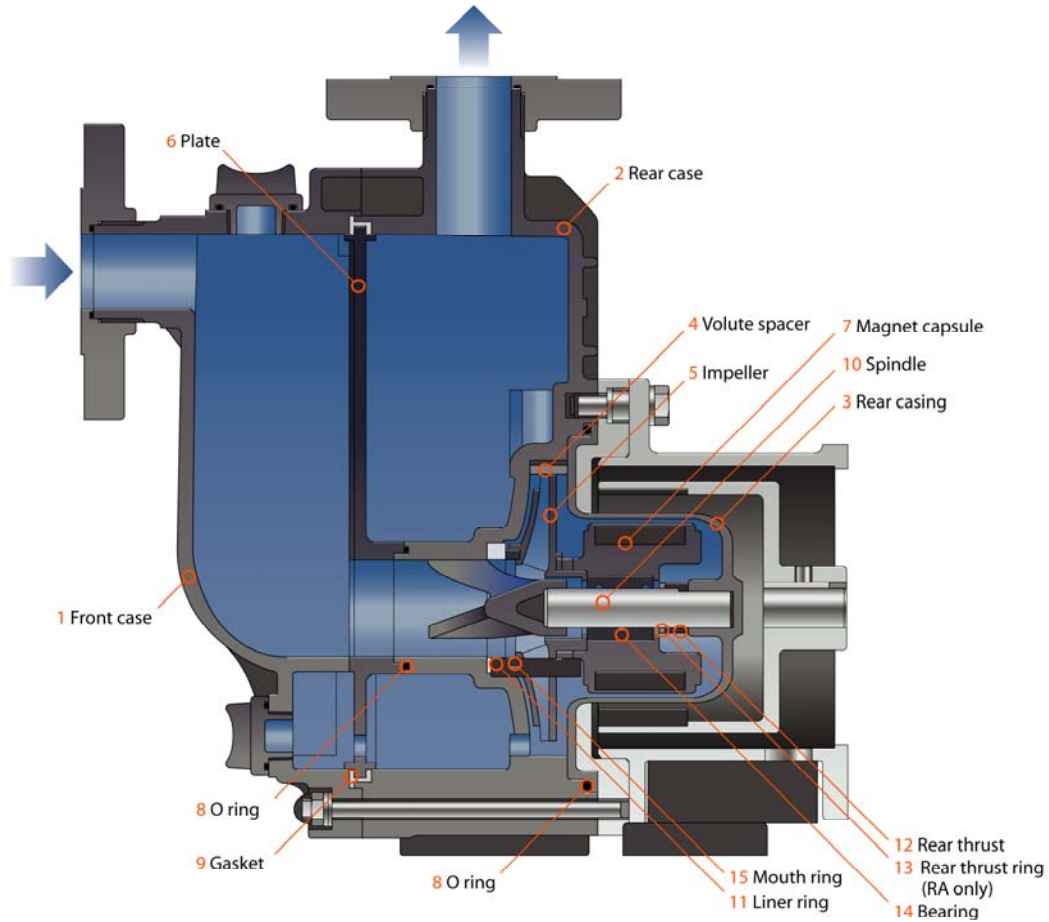
SMX-(F)22	0.80 gal (3L)
SMX-(F)44	1.11 gal (4.2L)
SMX-(F)54	1.43 gal (5.4L)
- Self-priming performance of 13 ft in 90 seconds based on pumping clean water at ambient temperature of 68 °F (20 °C). Priming performance is reduced as liquid temperature increases.



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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		PP/CFRETFE		
7. Magnet Capsule		FKM/EPDM		
8. O-Ring		High Purity Alumina Ceramic		
9. Gasket		Alumina Ceramic/SiC (KK)		
10. Spindle		CFRPPS		
11. Liner Ring		-	Alumina Ceramic	-
12. Rear Thrust		High Density Carbon	PTFE w/filler	SiC
13. Rear Thrust Ring (RA/RF only)		PTFE w/filler		
14. Bearing				
15. Mouth Ring				



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