



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 |

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:

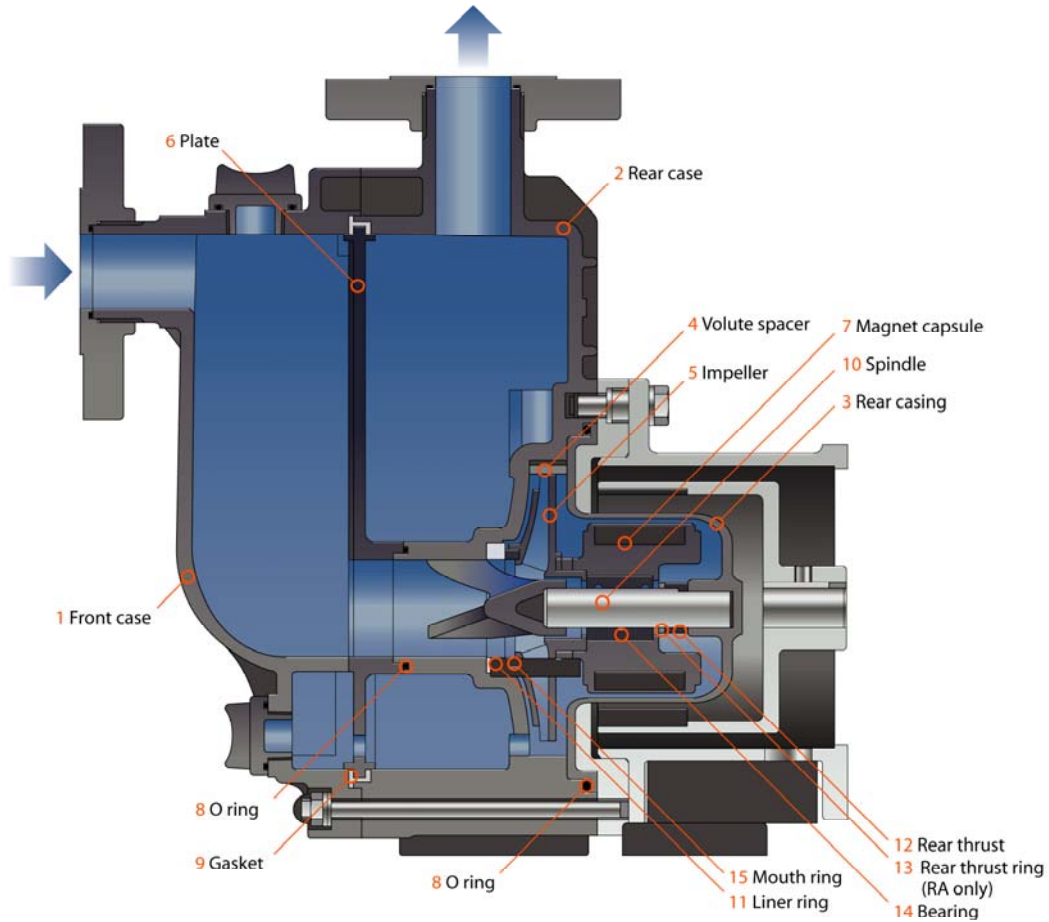
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|-----------|----------|
| SMX-(F)22 | 0.80 gal |
| SMX-(F)44 | 1.11 gal |
- Self-priming performance of 13 ft in 90 seconds based on pumping clean water at ambient temperature of 69 °F (20 °C). Priming performance is reduced as liquid temperature 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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