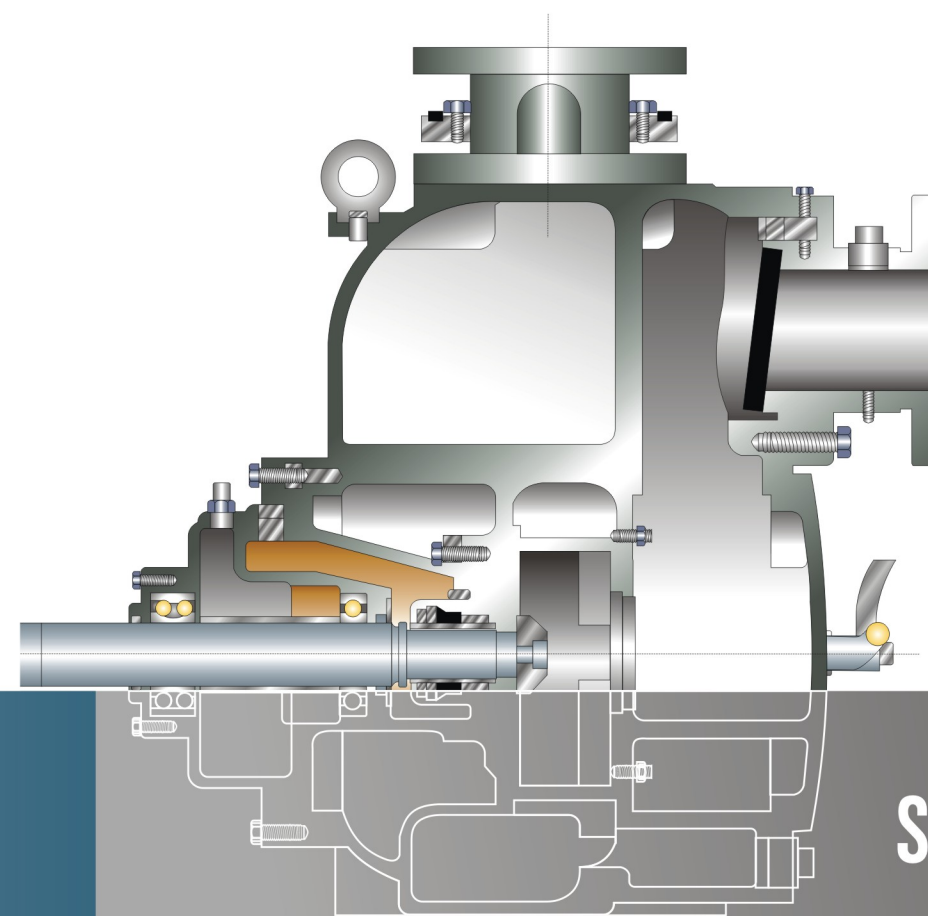
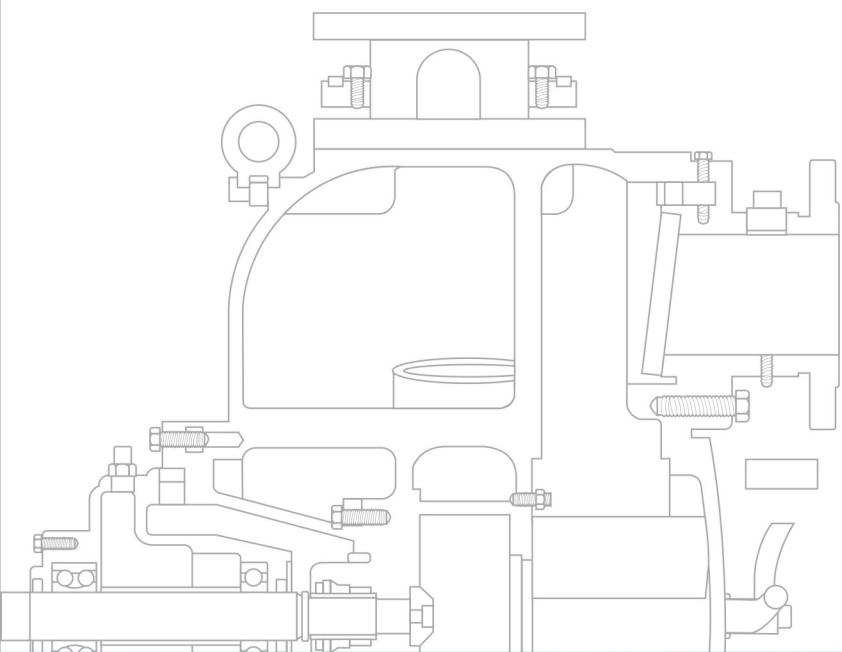


EO



Self - Priming Pump



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General Features

EO Self-Priming Pumps are ideal for agriculture, municipal and industrial water supply. Designed to be driven by electric motor and diesel engine. Good self-suction performance, low value NPSH req.

Applications

- Agriculture : Irrigation Pump, Water Supply, Farming Fields.
- Municipal Usage : Transfer Pump, Waste Supply, Drainage Pumps.
- Industrial : Transfer Pump, Water Supply
- Others

Material

- Standard Material : Cast Iron
- Options : All Stainless Steel / Bronze (*Impeller*)
- Sealing : Gland Packing (*Standard*), Mechanical Seal (*Options*)

Model Nomenclature

- E.g. : Model EO 100
- EO : Self Priming Type Pumps
- 100 : Suction / discharge Size, mm



EO Self - Priming Pump

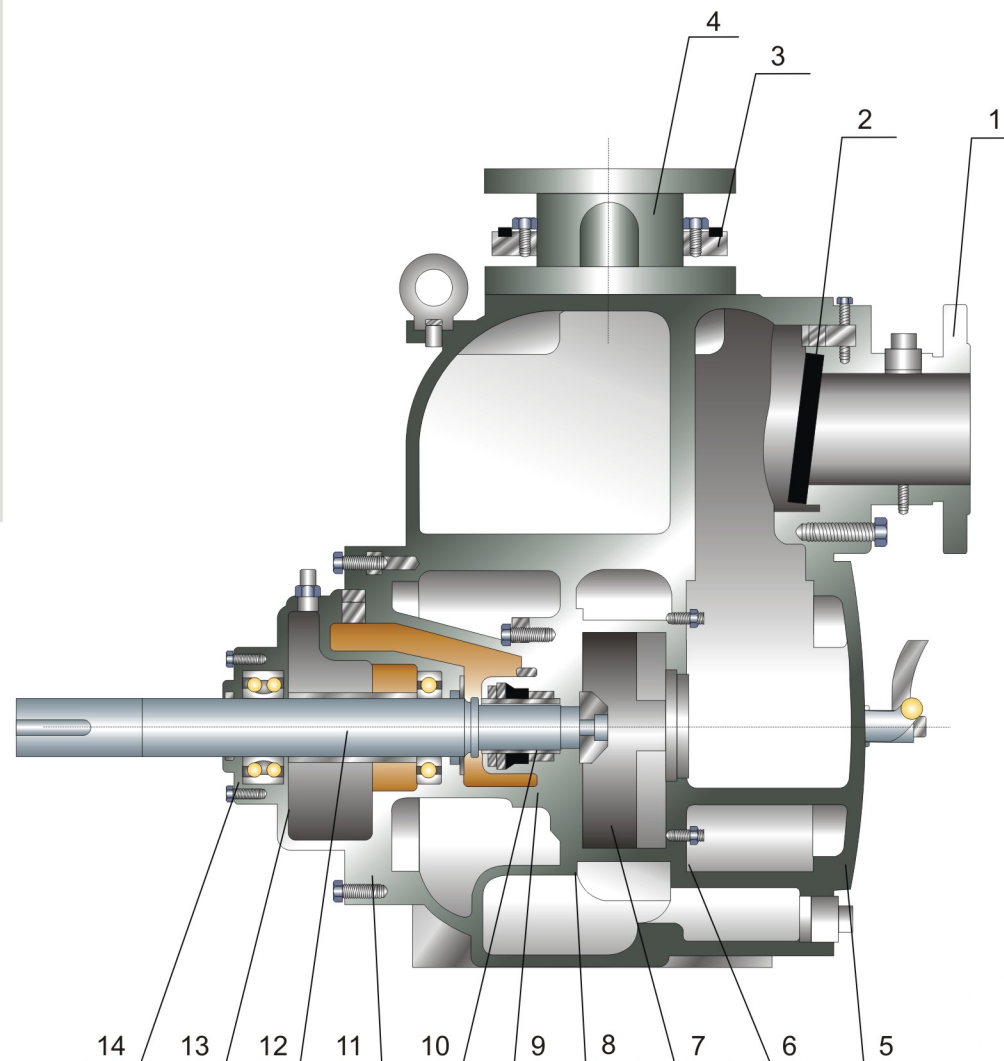


Applications

Self-Priming Principles

Air is drawn into the pump by the vacuum produced as the impeller rotates and is emulsified with the liquid contained in the pump casing. The air / liquid mixture is driven into the priming chamber where the air, which is less dense, separates out and vents through the delivery line while the liquid, due to the higher density, falls back and recirculated. When all the air has been evacuated from the suction line, the pump primes and operated like a normal centrifugal pump. It can also handle a mixture of air and liquid. The check valve mounted in the pump suction port serves two purposes; it prevents the liquid from draining out of the suction line when the pump is not in operation and if the suction line is drained by accident, enough liquid is retained in the pump casing for the pump to reprime. The delivery line must allow the air drawn from the suction line to vent to atmosphere.

LIST OF COMPONENT



| No. | Parts |
|-----|------------------|
| 01 | Suction Inlet |
| 02 | Non Return Valve |
| 03 | Infusion Cover |
| 04 | Discharge Outlet |
| 05 | End Cover |
| 06 | Wear Plate |
| 07 | Impeller |
| 08 | Volute |
| 09 | Seal Base |
| 10 | Mechanical Seal |
| 11 | O-Ring |
| 12 | Shaft |
| 13 | Bearing Body |
| 14 | Bearing Cover |

* Typical Drawing Only