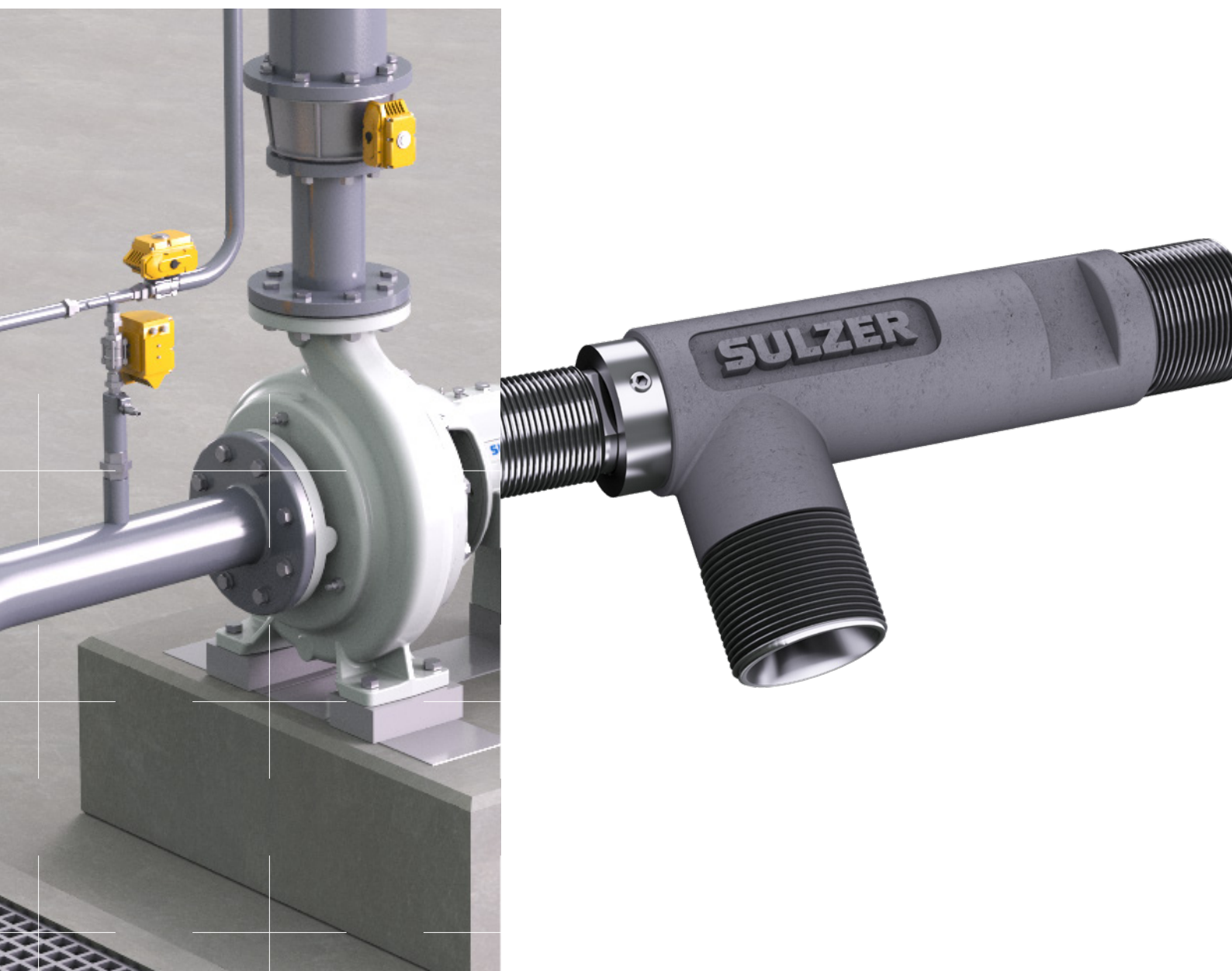


SULZER

Flow Equipment

Sulzer ejector for priming



Reliable solution for fully automated priming

There are many ways to pump the liquid from a sump. Now you can choose the process pump with the highest efficiency and best performance for your application and prime the suction pipe and pump with a Sulzer ejector. Ejectors can be installed for all standard horizontally installed pumps, both as retrofits for existing installations and for new installations. It offers an easy solution for enabling fast, reliable and fully automated priming.

Main applications

- Clean and slightly contaminated liquids
- Fibrous slurries, slurries
- Liquids containing particles

Easy to install and use

- Because the ejector and valves with actuators are installed to the piping, no additional modification to the pump is required
- The ejector requires pressurized air (4 - 10 bar) for priming, and electricity is necessary for the automated valves
- Either a local control box or a mill automation system can be used to control the ejector
- Float throttle prevents ejector from clogging and air from flowing back into the pump

Save energy while reducing your total cost of ownership (TCO)

- Pressurized air is required only during priming
- The ejector consumes no energy during normal pumping sequence
- The robust and simple design minimizes installation, maintenance and operating costs

Improved reliability

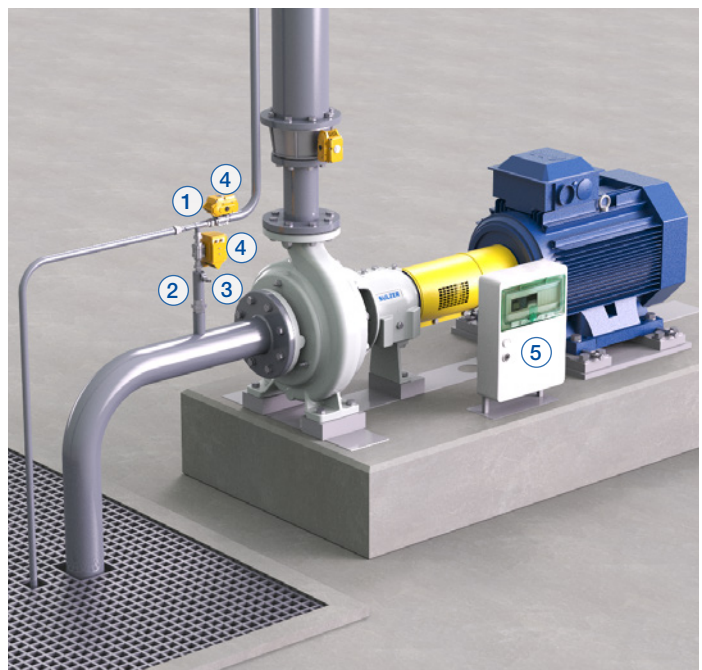
- Automated priming
- Easy to use
- Service-free with no rotating parts
- Manufactured in duplex stainless steel A890 grade 3A material to ensure application versatility

Delivery scope

For fully automated priming, the Sulzer ejector package includes:

- ① Sulzer ejector unit
- ② Float throttle
- ③ Level switch
- ④ Valves with actuators for motive air and ejector suction pipe
- ⑤ Control box with logic
- ⑥ Wires (5 m / 16.4 ft.)
- ⑦ Documentation

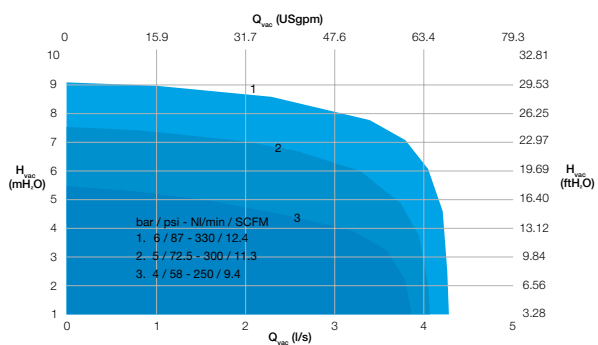
Sulzer ejector can also be supplied without automation package. In this case delivery includes only the ejector unit, float throttle with level switch and automation diagrams.



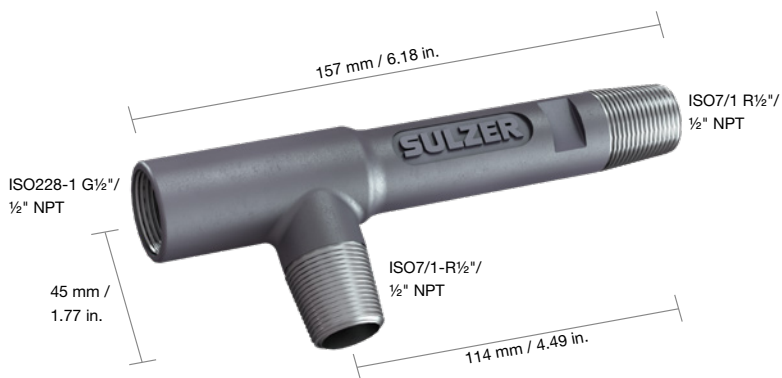
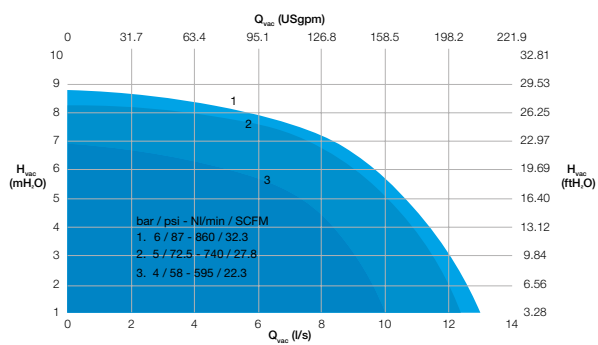
Operating data

| | Size S | | Size L | |
|------------------------------|--------------------|--------------------|--------------------|--------------------|
| | SI units | US units | SI units | US units |
| Priming capacity | up to 4.4 l/s | up to 70 USgpm | up to 8 l/s | up to 127 USgpm |
| Maximum priming height | up to 8 m | up to 26.5 ft. | up to 7 m | up to 23 ft. |
| Air inlet feed pressure | 4 to 6 bar | 58 to 87 psi | 4 to 6 bar | 58 to 87 psi |
| Air consumption | 330 NI/min (6 bar) | 12.4 SCFM (87 psi) | 860 NI/min (6 bar) | 32.3 SCFM (87 psi) |
| Temperature of pumped liquid | up to 90°C | up to 194°F | up to 90°C | up to 194°F |

Performance range, size S



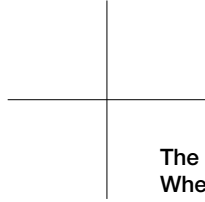
Performance range, size L



Dimensions, size S

Dimensions, size L





The Sulzer Flow Equipment division keeps your processes flowing. Wherever fluids are treated, pumped, or mixed, we deliver highly innovative and reliable solutions for the most demanding applications.

The Flow Equipment division specializes in pumping solutions specifically engineered for the processes of our customers. We provide pumps, agitators, compressors, grinders, screens and filters developed through intensive research and development in fluid dynamics and advanced materials. We are a market leader in pumping solutions for water, oil and gas, power, chemicals and most industrial segments.

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