

UNIQUE SOLUTIONS MADE BY THE SPECIALIST



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TWIN SCREW PUMPS TYPE SERIES SLI

MAXIMUM PERFORMANCE FOR HIGH DEMANDS



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Bornemann SLI twin screw pumps are single-flow and self-priming. SLI pumps feature no metal-to-metal contact between the pump screws and the housing. This enables the conveyance of non-lubricating or corrosive and contaminated materials. As the pump rotates, the intermeshing of the two screws along with the pump housing form chambers. These chambers fill with the pumped fluid and move it from the suction side of the pump to the higher pressure discharge side of the pump.

Very flexible: The pump is designed to allow for reverse flow by simply changing the shaft direction. The suction becomes the discharge and vice versa, all without any modifications to the pump.

This axial system enables cautious, low-pulsation conveyance. It protects the media and maintains size, surface and visual integrity of the products



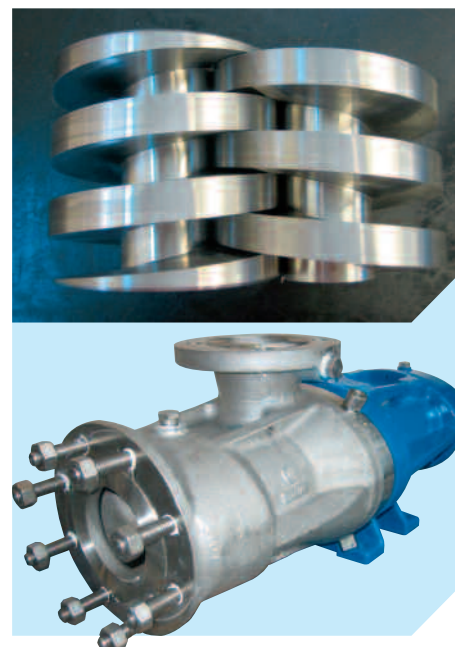
MODULAR SYSTEM

This axial system enables cautious, low-pulsation conveyance. It protects the media and maintains size, surface and visual integrity of the products. Bornemann SLI pumps provide you with a range of convincing advantages that together result in the highest possible cost and production efficiency.

Using a modular system, Bornemann offers three pump sizes and different

screw sets that cover a conveyance range of 1 m³/h to 180 m³/h. The different screw sizes make it possible to handle a wide range of flow capacities with the same viscosities, operating pressures and rotation speeds.

Very different media can be conveyed with one pump.



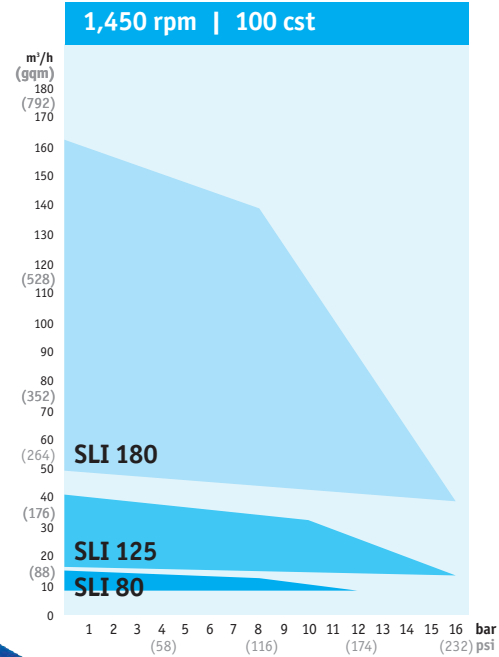
ADVANTAGES

- Well suited for fluids with low and high viscosity
- Modular system – the combination of different feedscrews covers a wide spectrum with only three scales
- Self-priming
- Equipment available according to ATEX and TA Air
- Contact-free intermeshing screws
- Abrasion-free
- Smooth handling
- Low-pulsation conveyance
- Dry running protection
- Easy to maintain by single-flow

TECHNICAL DATA

SLI 80 | SLI 125 | SLI 180

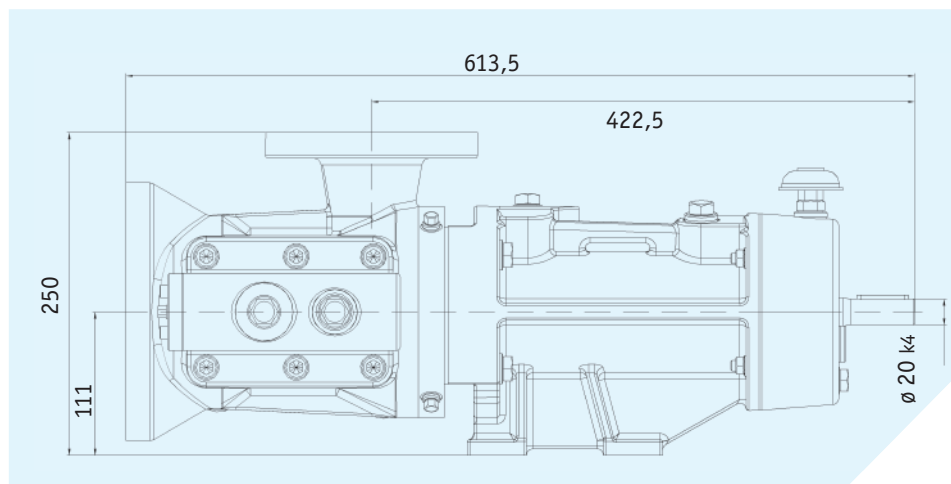
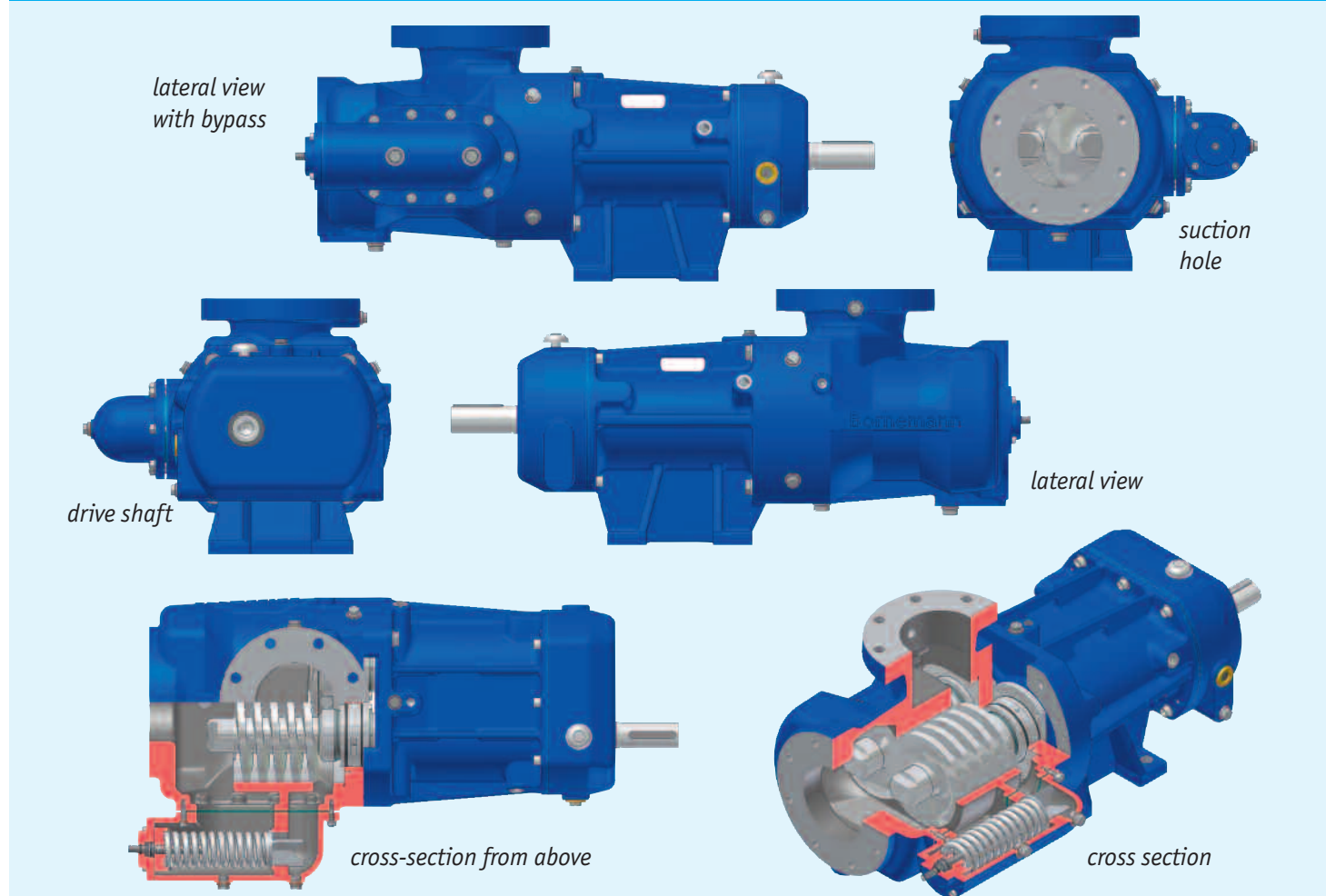
Capacity	1 - 180 m ³ /h (1 - 792 gpm)
Differential pressure	16 bar (232 psi)
Speed	up to 3,000 rpm
Viscosity	1 - 100,000 cSt
Suction lift	up to 8 m (26 ft)
Rotating direction	reversible
Heating temperature	120 °C (248 °F)
Material	GGG-40 and 1,4408



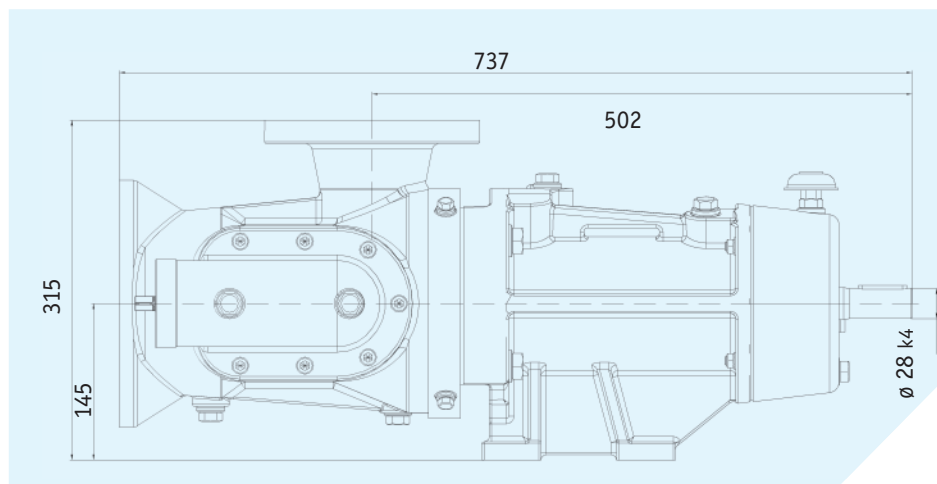
Flange Connection

SLI 80	
DIN PN 16	80/50
ANSI 150 lbs	3"/2"
SLI 125	
DIN PN 16	100/80
ANSI 150 lbs	4"/3"
SLI 180	
DIN PN 16	150/150
ANSI 150 lbs	6"/6"

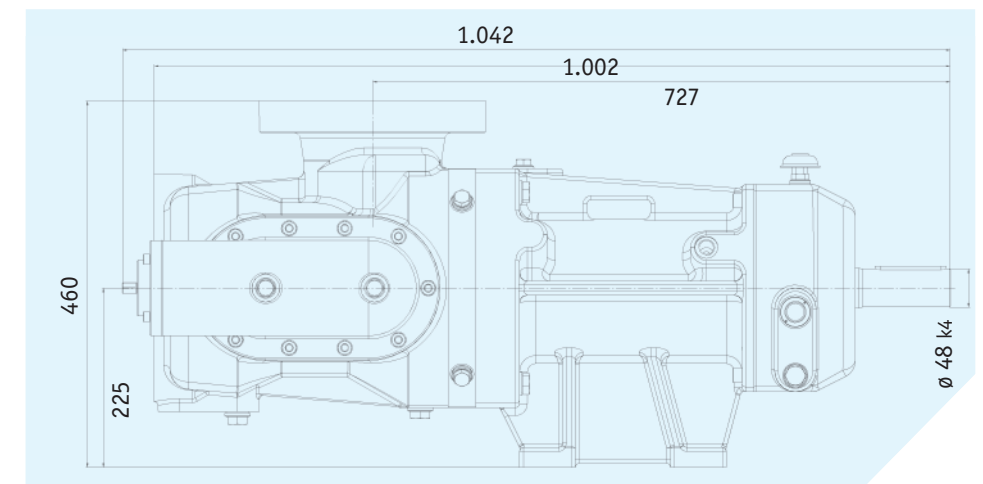
SLI 180 with bypass – different views



Twin Screw Pump SLI 80 (with bypass)

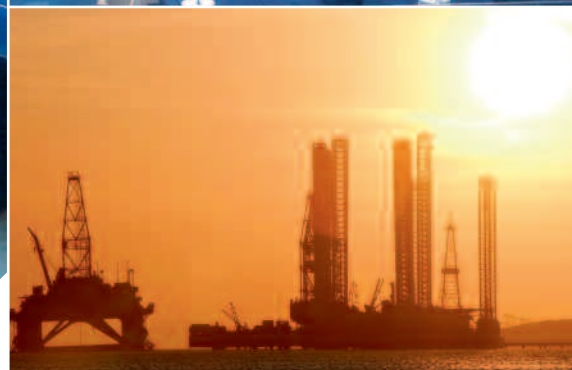
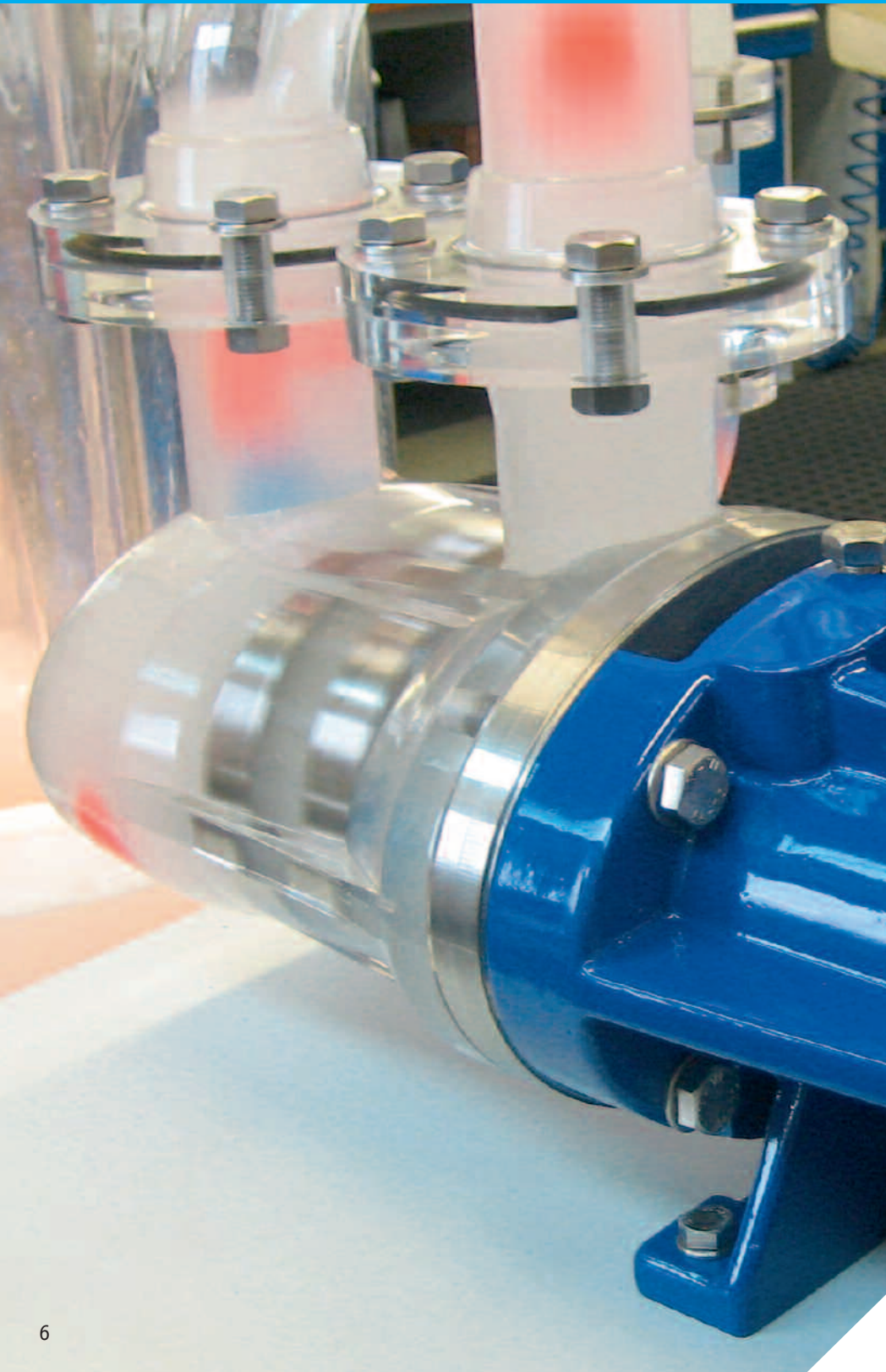


Twin Screw Pump SLI 125 (with bypass)



Twin Screw Pump SLI 180 (with bypass)

The all-round-product for transfer, dosing, processing and unloading duties



BORNEMANN SLI PUMPS FOR MANY FIELDS OF APPLICATION AND DEMANDS

CHEMICALS INDUSTRY

- Colours and paints industry
- Building chemicals
- Finished products (such as paints, water-soluble paints and paints with solvents, isocyanates, glues)
- Raw materials (such as resins, polyoles, binding agents, solvents)
- Cosmetics and pharmaceuticals industry

POWER STATIONS, REFINERIES, TANK STORAGES

- Unloading systems for trucks
- Unloading stations for tank wagons
- Systems for emptying residues from pipelines and tanks

SHIPBUILDING

- Emptying tanks (stripping pump)

RECYCLING AND ENVIRONMENT

- Pyrolysis systems (thermal processing)
- Upgrading systems for waste water (e.g. colours and paints industry)
- Upgrading systems for old oils (condensate systems)
- Filtration technologies

OIL INDUSTRY

- Crude oil, water
- Multiphase-mixtures
- Contaminated media