



## GERMAN LEGACY Twin Screw Pumps

With our know how and experience we develop our core product, the Twin Screw Pumps, which are designed, manufactured and tested fulfilling international standards for marine, tank farms and oil & gas.

### Main Benefits

- Self priming – Starting up without venting of suction line possible
- Low NPSH values –
  1. Applications requiring high suction capabilities and
  2. Transferring fluids containing components with high vapor pressure
- Capacity range of 1:10 at constant pressure available by simple speed control
- Pumping products with viscosities from 1...50.000 with one pump only
- Smooth product handling avoiding the creation of emulsions
- Suitable for high viscose media, e.g. bitumen and residues, due to heated casings



### Drop-Fit Pumps

For Twin Screw Pumps we provide drop-fit pumps for all major Bornemann\* types and sizes. These pumps are made in Germany and we are proud that our products fulfill the Bornemann\* standards in the following aspects:

- identical dimensions,
- equivalent performance,
- same reliability,
- overall superior quality



### Drop-fit Solutions for Bornemann\* Pumps

#### Liquid Pumps

- W- and V-Series Sizes 5...10
- HC-Series, sizes 147...232
- SL-Series, sizes 80...125

#### Multiphase Pumps

- MW-Series, sizes 7T...10
- MPC- Series, sizes 208...400

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Subsequently our clients benefit from a new source for their needs in Twin Screw Pumps without making any compromises in quality or performance. **GERMAN LEGACY** - DROP-FIT pumps are your step ahead for a reliable and smooth operation:

## Performance Data

With design and execution we follow the best practice in the industry and meet the performance data of the leading manufacture.

**Capacity:** up to 2.400 m<sup>3</sup>/h / 360.000 bpd

### Differential pressure

**W&V – Pumps:** up to 50 bar / 720 psi

**SL – Pumps:** up to 25 bar / 360 psi

**HC – Pumps:** up to 16 bar / 230 psi

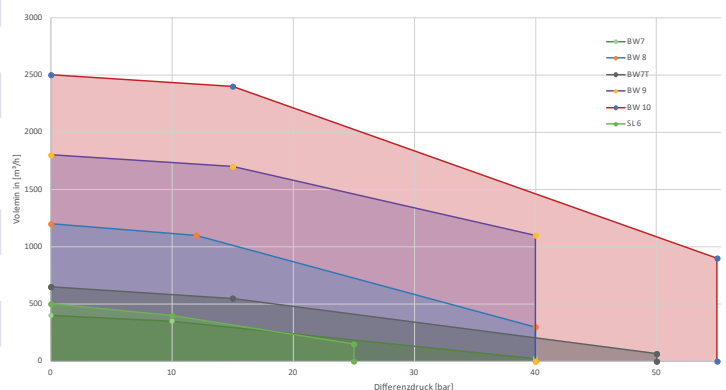
**Suction pressure:** -0,8 bar ... 40 bar / -11,5...580 psi

**Viscosity:** 0,5 ... 50.000 cst









**Speed:** up to 3.600 rpm

**Temperature:** up to 300°C / 570°F

## Performances Envelope



## Technical Data

-  Pumps conform to major international standards such as: API 676, CE, ATEX and NACE MR01/75, ISO 14847
-  Seal solutions: Packings, single and double mechanical seals, also acc. API 682
-  Seals complete with API Plan 32/ 52/53/54 und 62, if required
-  Pump Casing with heating devices available
-  Engineered Rotors, with optional materials for Screws
-  Oil and grease lubricated bearings
-  External auxiliary systems for mechanical seals and bearing lubrication available
-  Executions with by-pass and/or safety valve available



## Material Executions

Casing	Screws	Shafts	Liner
GGG-40	GGG-40	1.4542	
ASTMA 536	ASTMA 536	ASTMA 564 Gr. 630	
S. S. 1.4571	1.4057	1.4542	Ni-Resist D2
ASTMA 316 Ti	ASTMA 276 Gr. 431	ASTMA 564 Gr. 630	ASTMA 439 D2
Welded HII	1.4057	1.4542	GGG-40
ASTMA 516 Gr.60	ASTMA 276 Gr.431	ASTMA 564 Gr. 630	ASTMA 536

Further material executions are available upon request.

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