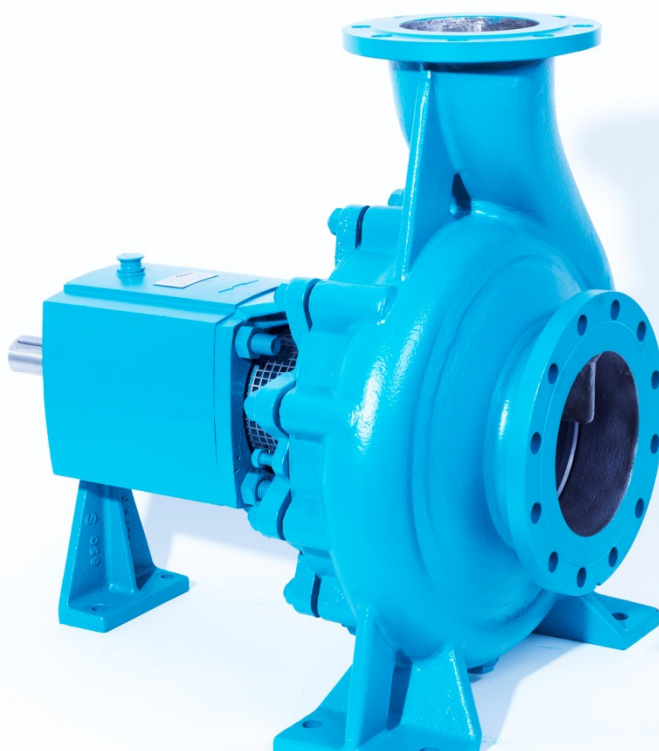




Volute casing pumps
DIN 24256

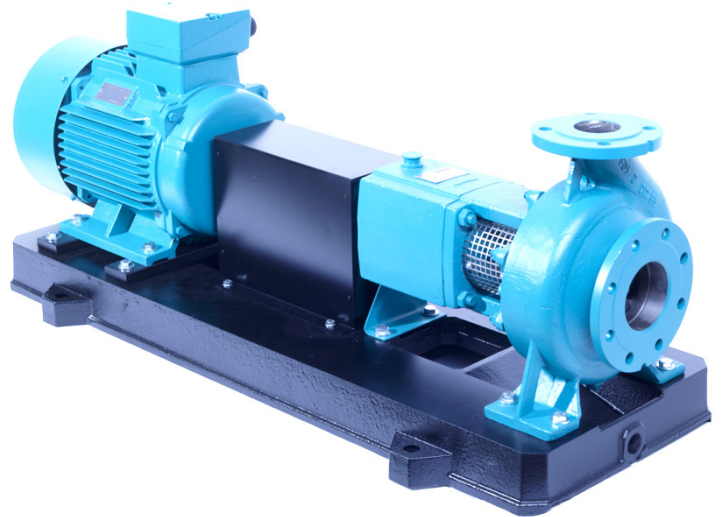
NC

INDUSTRY APPLICATION

Horizontal, single-stage volute casing pumps – nominal duty points and main dimensions in accordance with DIN 24256 – EN 22585 – are used for pumping clean and low contaminated liquids without coarse or extended solids.

Application ranges:

- Chemical and petrochemical industry to pump acids, lyes, brine and hydrocarbon fluids
- Colors and lacquer industry
- Plastic and rubber industry
- Iron and steel industry
- Food industry



PROPERTIES AND ADVANTAGES

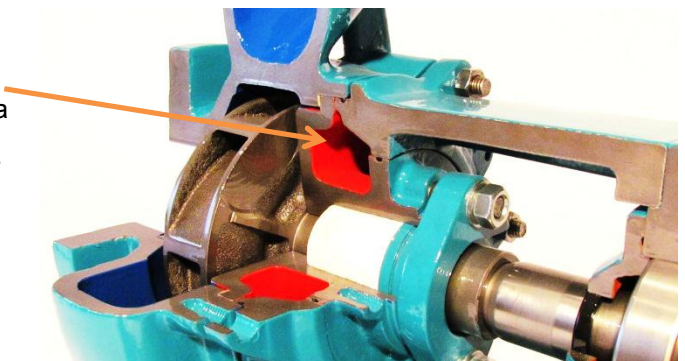
- **Robust construction** made of cast iron or special steel casting

- **Adaption of working point**

At the factory the performance curve is adapted to the system operation point according to customer specifications.

- **Heating**

Behind the pump cover an area for heating or cooling of the pump is provided. This area may be activated by insertion of two o-rings.



• Shaft sealing

Following shaft sealings can be chosen:

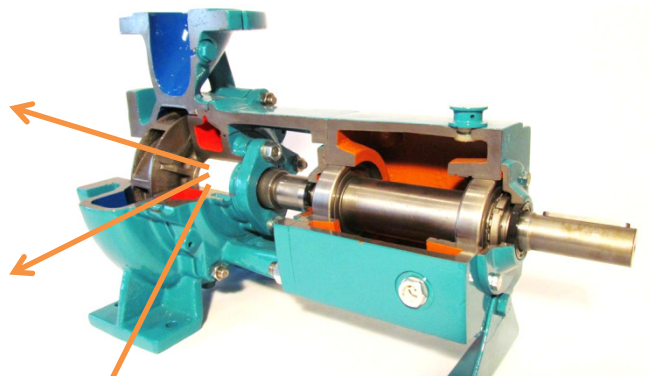
Single- or double
mechanical seal (in
tandem- or “back to
back”- execution)



Packing gland

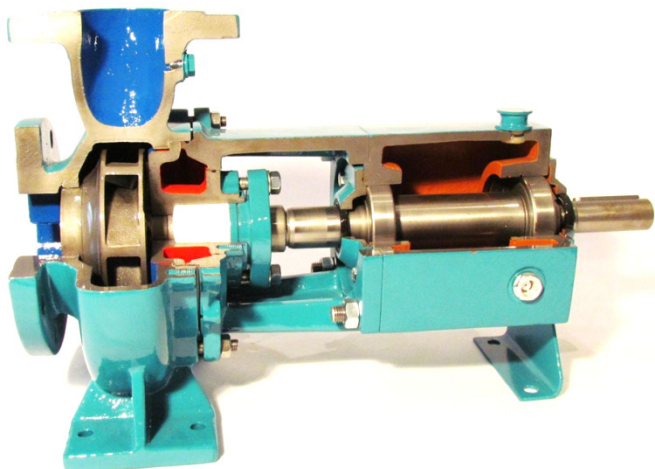


Magnetic coupled
without shaft
sealing



Depending on the pumped liquid different seal-materials can be selected.

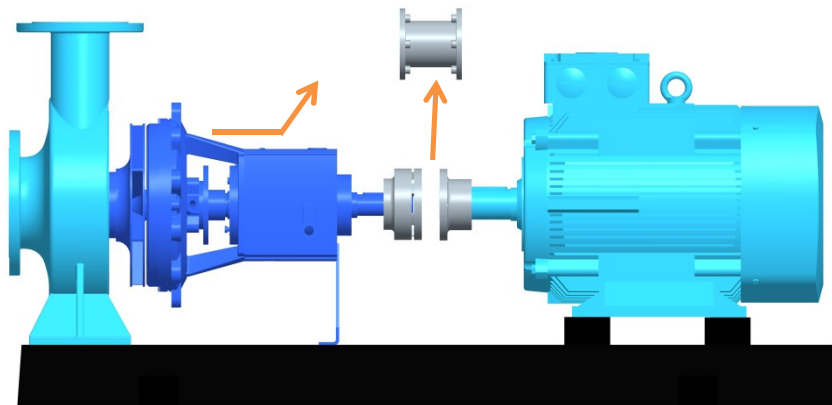
• Bearing



- Standard bearing (groove ball bearing) with lifetime grease lubrication or oil lubrication
- Reinforced bearing (cylinder roller bearing and double angular ball bearing) with oil lubrication
- Sealing of bearing housing with radial seal rings or labyrinth rings

- **Maintenance**

Easy maintenance and repair work without dismantling the piping. Expansion of the plug-in unit by disassembling of the detachable coupling part is possible.



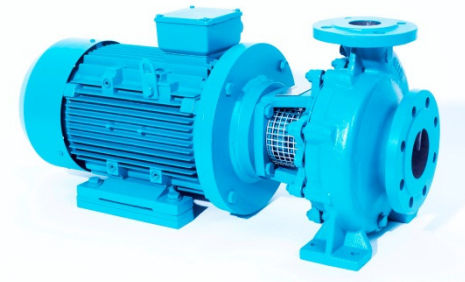
- **ATEX-version**

Pumps and pump-units can be certificated for ATEX. For the available designs, materials and the possible accessories please contact our sales department.

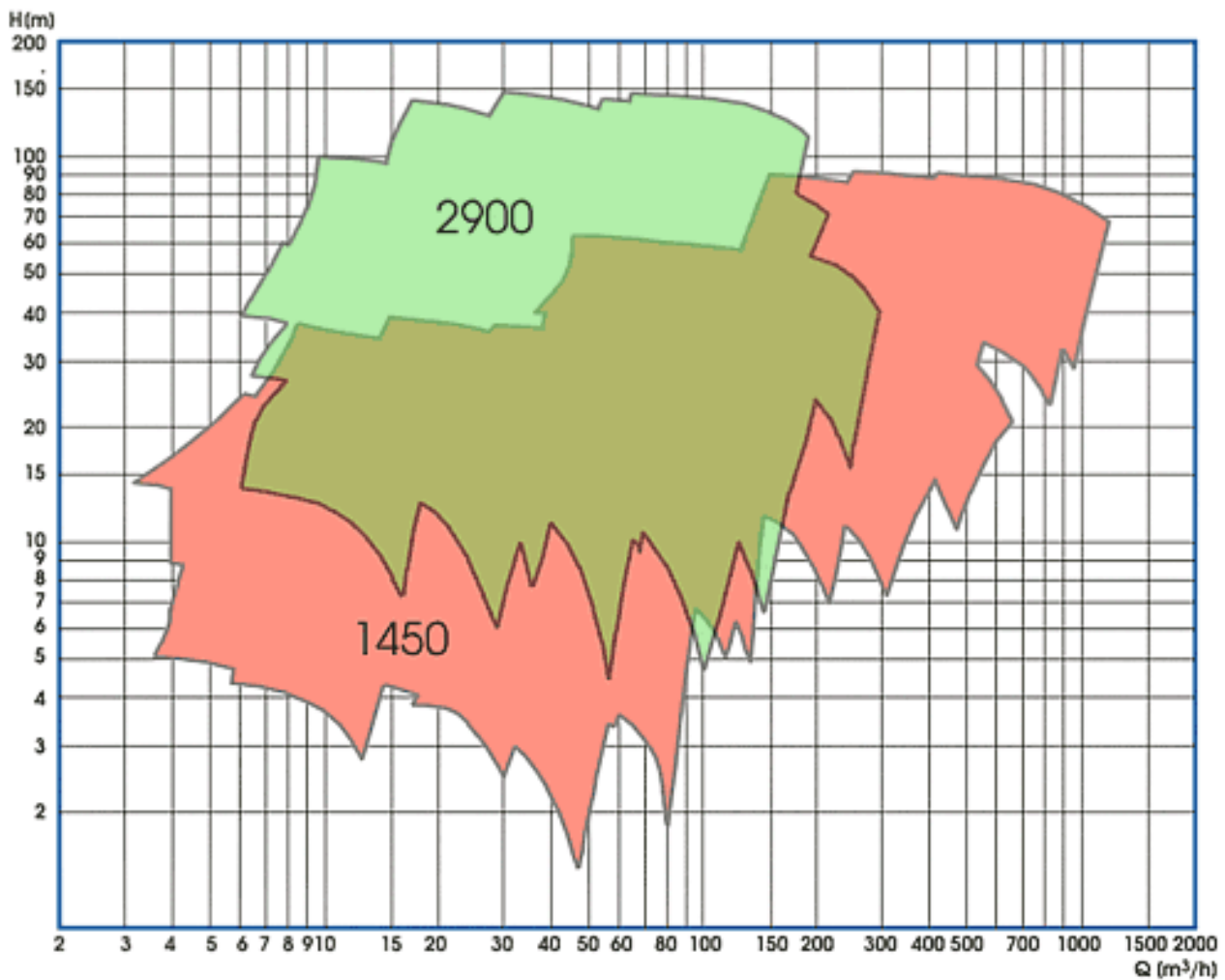


- **Monobloc-pump NCB**

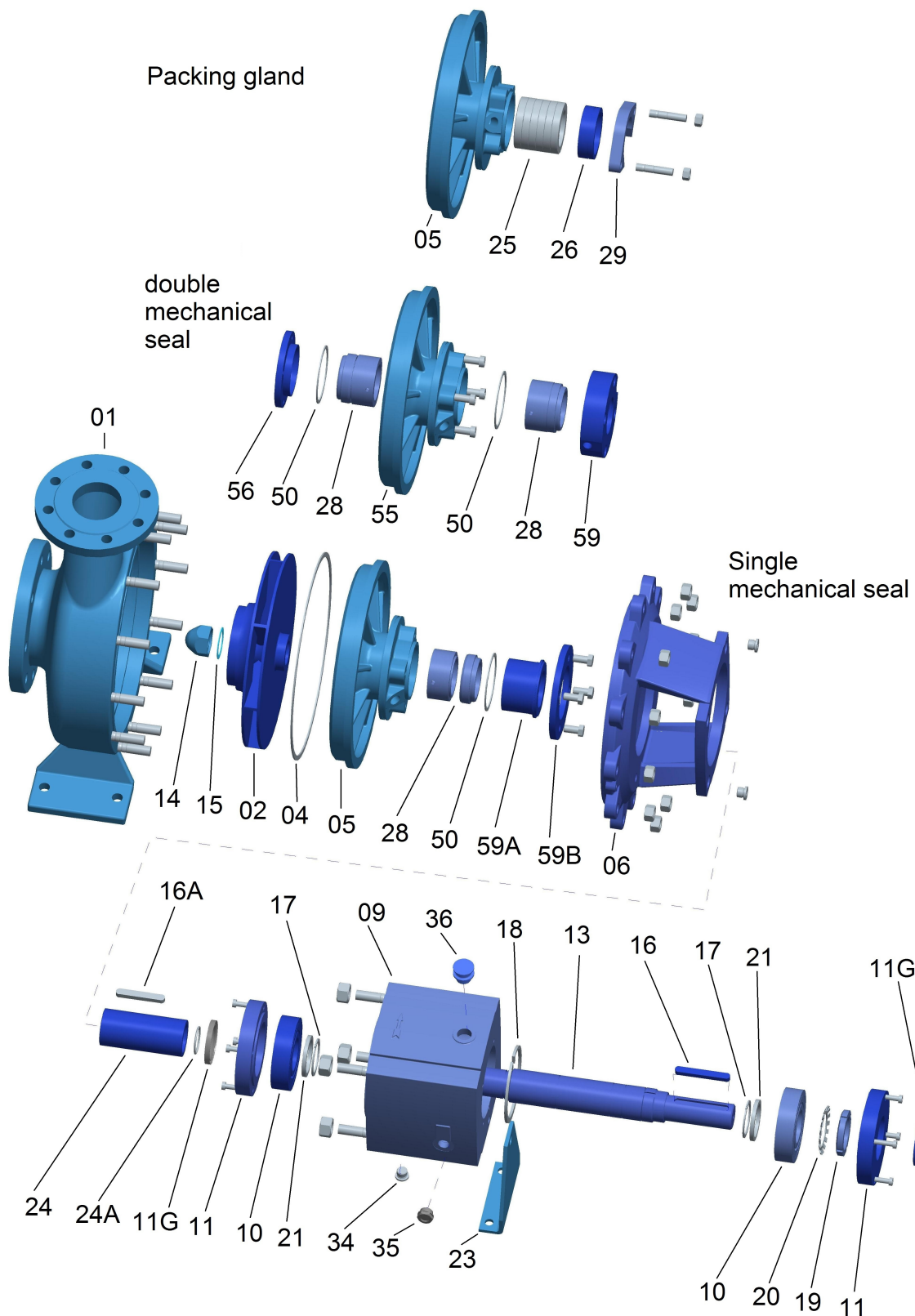
The majority of the volute casing pumps you can get also as monobloc design. The pump is mounted directly on an IEC standard motor. Details are provided in a separate folder.



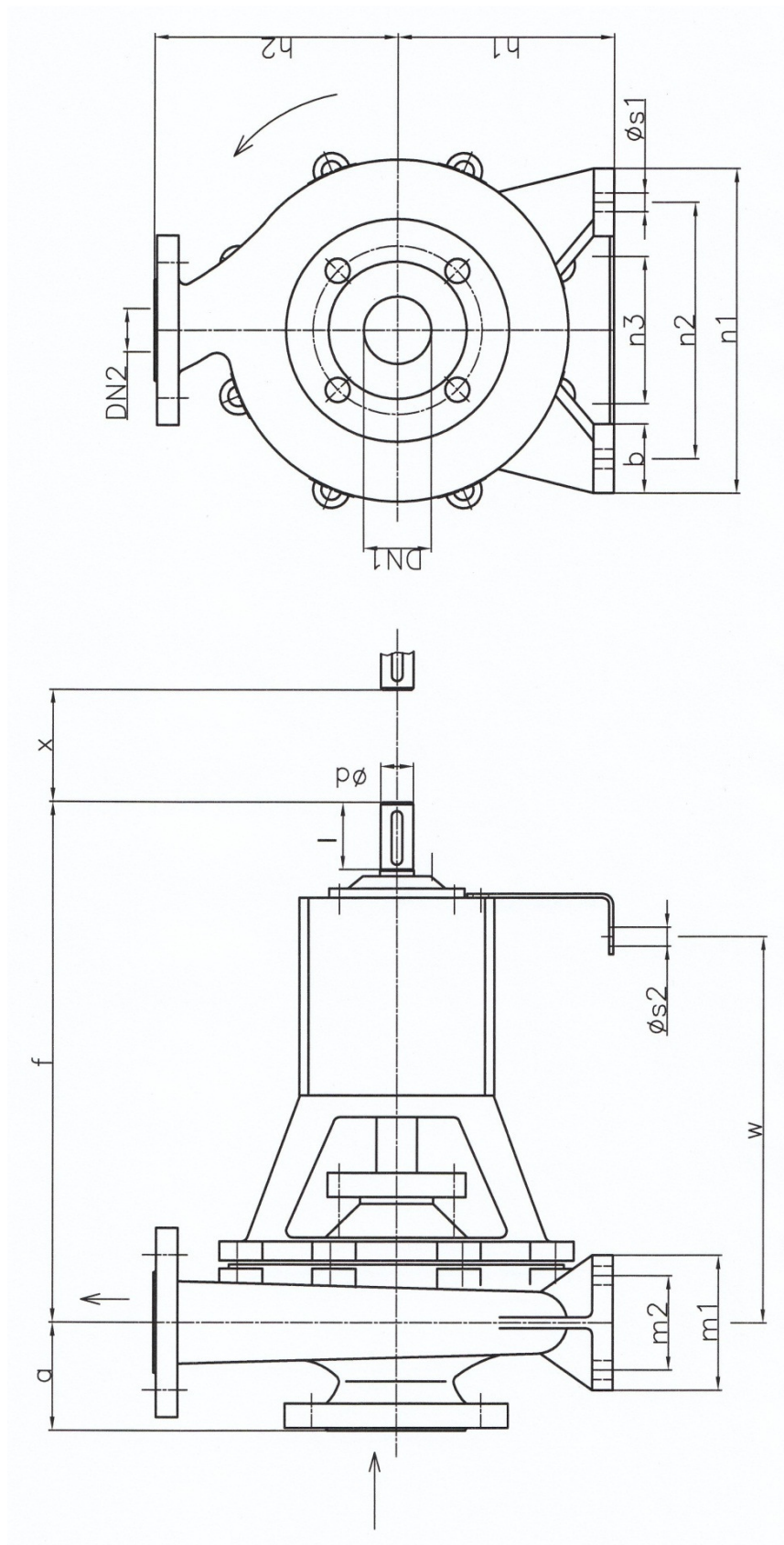
PUMP SELECTION – CHARACTERISTIC DIAGRAM



EXPLODED VIEW



DIMENSIONS



	DN1	DN2	a	f	h1	h2	b	m1	m2	n1	n2	n3	w	Øs1	Øs2	d	l	x	kg
32-125	50	32	80	385	112	140	50	100	70	190	140	110	285	14	14	24	50	100	28
32-160	50	32	80	385	132	160	50	100	70	240	190	110	285	14	14	24	50	100	36
32-200	50	32	80	385	160	180	50	100	70	240	190	110	285	14	14	24	50	100	43
32-250	50	32	100	500	180	225	65	125	95	320	250	110	370	14	14	32	80	100	61
50-125	65	50	80	385	112	140	50	100	70	210	160	110	285	14	14	24	50	100	34
50-160	65	50	80	385	132	160	50	100	70	240	190	110	285	14	14	24	50	100	37
40-200	65	40	100	385	160	180	50	100	70	265	212	110	285	14	14	24	50	100	46
40-250	65	40	100	500	180	225	65	125	95	320	250	110	370	14	14	32	80	100	77
40-315	65	40	125	500	200	250	65	125	95	345	280	110	370	14	14	32	80	100	100
65-125	80	65	100	385	132	160	50	100	70	240	190	110	285	14	14	24	50	100	37
65-160	80	65	100	385	160	180	50	100	70	265	212	110	285	14	14	24	50	100	40
50-200	80	50	100	385	160	200	50	100	70	265	121	110	285	14	14	24	50	100	50
50-250	80	50	125	500	180	225	65	125	95	320	250	110	370	14	14	32	80	100	80
50-315	80	50	125	500	225	280	65	125	95	345	280	110	370	14	14	32	80	100	102
80-125	100	80	100	385	160	180	65	125	95	280	212	110	285	14	14	24	50	100	42
80-160	100	80	100	500	160	200	65	125	95	280	212	110	370	14	14	32	80	100	65
65-200	100	65	100	500	180	225	65	125	95	320	250	110	370	14	14	32	80	140	70
65-250	100	65	125	500	200	250	80	160	120	360	280	110	370	18	14	32	80	140	85
65-315	100	65	125	530	225	280	80	160	120	400	315	110	370	18	14	42	110	140	134
80-160	125	80	125	500	180	225	65	125	95	320	250	110	370	14	14	32	80	140	70
80-200	125	80	125	500	180	250	65	125	95	345	280	110	370	14	14	32	80	140	75
80-250	125	80	125	500	225	280	80	160	120	400	315	110	370	18	14	32	80	140	108
80-315	125	80	125	530	250	315	80	160	120	400	215	110	370	18	14	42	110	140	140
80-400	125	80	125	530	280	355	80	160	120	435	355	110	370	18	14	42	110	140	183
100-200	125	100	125	500	200	280	80	160	120	360	280	110	370	18	14	32	80	140	87
100-250	125	100	140	530	225	280	80	160	120	400	315	110	370	18	14	42	110	140	143
100-315	125	100	140	530	250	315	100	200	150	400	315	110	370	18	14	42	110	140	168
100-400	125	100	140	530	280	355	80	160	120	500	400	110	370	23	14	42	110	140	207
125-250	150	125	140	530	250	355	100	200	150	400	315	110	370	18	14	42	110	140	130
125-315	150	125	140	530	280	355	100	200	150	500	400	110	370	23	14	42	110	140	157
125-400	150	125	140	530	315	400	100	200	150	500	400	110	370	23	14	42	110	140	202
150-250	200	150	140	530	280	375	100	200	150	500	400	110	370	23	14	42	110	180	160
150-315	200	150	160	670	315	400	100	200	150	550	450	140	500	23	18	48	110	180	218
150-400	200	150	160	670	315	450	100	200	150	550	450	140	500	23	18	48	110	180	260
150-500	200	150	180	670	375	500	100	200	150	550	450	140	500	23	18	48	110	180	334
200-315	250	200	200	670	355	450	100	200	150	550	450	140	500	23	18	48	110	180	267
200-400	250	200	200	670	355	500	100	200	150	550	450	140	500	23	18	48	110	180	297
200-500	250	200	200	770	425	560	100	200	150	660	560	140	585	23	18	80	140	180	404
250-400	300	250	200	770	425	600	130	260	190	800	670	140	585	27	18	80	140	180	377
250-500	300	250	200	770	475	670	130	260	190	800	670	140	585	27	18	80	140	180	450



Basic data:

Capacity:	up to 1100 m ³ /h
Discharge head:	up to 158 m W.S.
Connections:	DN 32 – DN 300
Motor speed:	1450 and 2900 min ⁻¹