

Application

The compli 1500 and 2500 tank systems have been designed for large industrial and communal wastewater volumes as well as for the connection of streets or other community effluent systems. In order to ensure a practical arrangement, special importance was attached to easy installation.

The submersible unit is permitted for general use in areas subject to flooding without requiring additional outlay. The control unit has to be fitted in a well ventilated flood-proof room.

The construction with PE tanks has freely accessible drains and a clamp-type inlet flange for easy installation. The top-mounted cleaning opening and the easy replaceability of the pre-mounted pumps also ensure time-saving servicing.



- Submersible
- Large storage capacity
- Selectable inlet position
- PE-tank



Sewage lifting stations

Type	H max	Q max m³/h	Tank capacity l	Inlet height mm	Free passage mm	Clamp-type inlet flange	Connecting flange PN 10	For connec- ting pipe	Ventilation	Weight approx.	Code No.
Duplex system with one tank											
compli 1525/4 C1	9	100	500	700	100	DN 150	DN 100	DN 100	DN 70	253.5 kg	JP09181
compli 1535/4 C1	12	100	500	700	100	DN 150	DN 100	DN 100	DN 70	261.5 kg	JP09182
compli 1555/4 C5	18	100	500	700	100	DN 150	DN 100	DN 100	DN 70	363.5 kg	JP09183
compli 1575/4 C5	20	100	500	700	100	DN 150	DN 100	DN 100	DN 70	373.5 kg	JP09184
compli 1575/4 B6	22	100	500	700	70	DN 150	DN 100	DN 100	DN 70	357.5 kg	JP09185
compli 1575/2 B5	31	100	500	700	70	DN 150	DN 80	DN 100	DN 70	321,5 kg	JP45141
compli 15100/2 B5	41	100	500	700	70	DN 150	DN 80	DN 100	DN 70	367,5 kg	JP45142
Duplex system with two tanks											
compli 2525/4 C1	9	100	1000	700	100	DN 150	DN 100	DN 100	DN 70	300.5 kg	JP09186
compli 2535/4 C1	12	100	1000	700	100	DN 150	DN 100	DN 100	DN 70	308.5 kg	JP09187
compli 2555/4 C5	18	100	1000	700	100	DN 150	DN 100	DN 100	DN 70	410.5 kg	JP09188
compli 2575/4 C5	20	100	1000	700	100	DN 150	DN 100	DN 100	DN 70	420.5 kg	JP09189
compli 2575/4 B6	22	100	1000	700	70	DN 150	DN 100	DN 100	DN 70	404.5 kg	JP09190

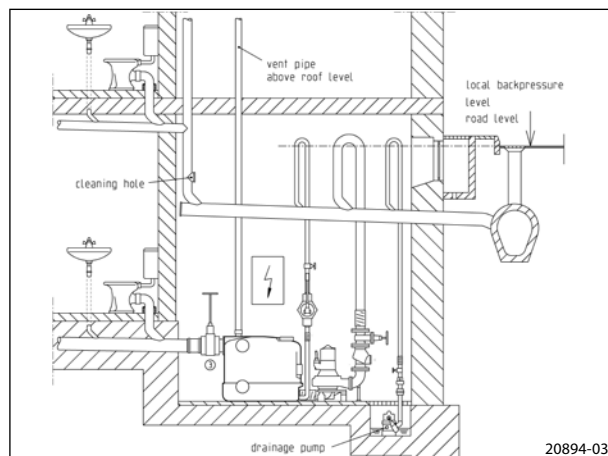
Performance (values for each pump)

Type	Delivery head H [m]	4	5	6	7	8	9	10	11	12	13	14	16	18	20				
compli ...25/4 C1	Flow rate Q [m³/h]	104	87	71	51	32	16												
compli ...35/4 C1				103	89	72	54	36	21										
compli ...55/4 C5								100	87	74	59	45	22						
compli ...75/4 C5										100	87	75	44	22					
compli ...75/4 B6											91	82	62	41	24				
Type	Delivery head H [m]							10	13	16	19	22	25	28	31	34	37	40	
compli ...75/2 B5	Flow rate Q [m³/h]							104	87	70	54	37	23	9					
compli 100/2 B5													91	76	55	41	23	15	4

Electrical data (values for each pump)

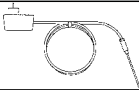

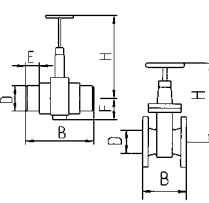


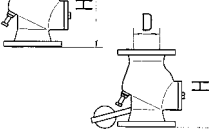
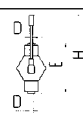
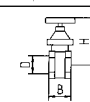
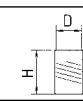

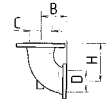
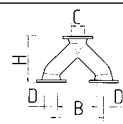
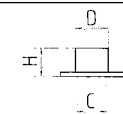
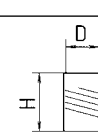

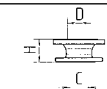
Type	Type of current	Voltage Volt	Motor rating kW		Current Ampere	RPM min ⁻¹	Cable quality H07RN-F-	Cable length
compli ...25/4 C1	3-phase	3/N/PE~400	2.4	1.90	4.2	1395	6 G 1.5	10 m
compli ...35/4 C1	3-phase	3/N/PE~400	3.5	2.65	6.9	1424	6 G 1.5	10 m
compli ...55/4 C5	3-phase	3/N/PE~400	5.8	4.65	10.2 / 5.9	1430	10 G 2.5	10 m
compli ...75/4 C5	3-phase	3/N/PE~400	7.2	5.90	12.8 / 7.4	1432	10 G 2.5	10 m
compli ...75/4 B6	3-phase	3/N/PE~400	7.2	5.90	12.8 / 7.4	1432	10 G 2.5	10 m
compli ...75/2 B5	3-phase	3/N/PE~400	7.7	6.60	13,2/ 7.7	2925	10 G 2.5	10 m
compli 100/2 B5	3-phase	3/N/PE~400	10.5	9.20	17,6/10.2	2920	10 G 2.5	10 m

Mounting arrangement



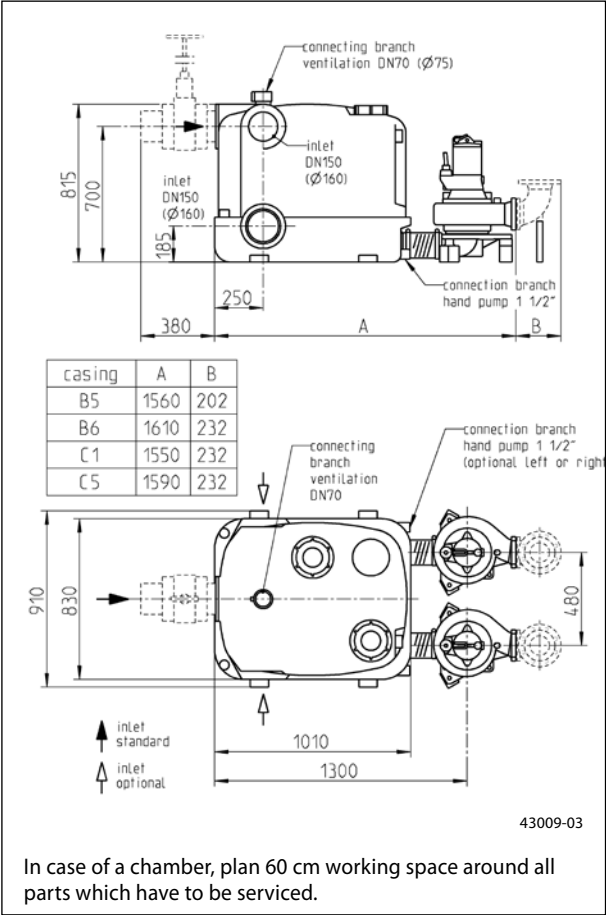
In keeping with the construction and testing principles of German / European standard DIN EN 12050, sewage disposal units are to be used for the transport of faecal matter and domestic waste-water in building drainage systems as described in German standard DIN 1983 T3. In keeping with the stipulations of German / European standard DIN EN 12056-4 they have to be mounted with collecting tanks inside building permitting a free space of 60 cm for operation and repair. The pressure pipe has to be passed above the locally defined backpressure level and a non-return valve tested in keeping with German / European standard 12050-4 has to be mounted. In keeping with German / European standard 12056 the ventilation pipe has to be passed up to the roof.

Accessories

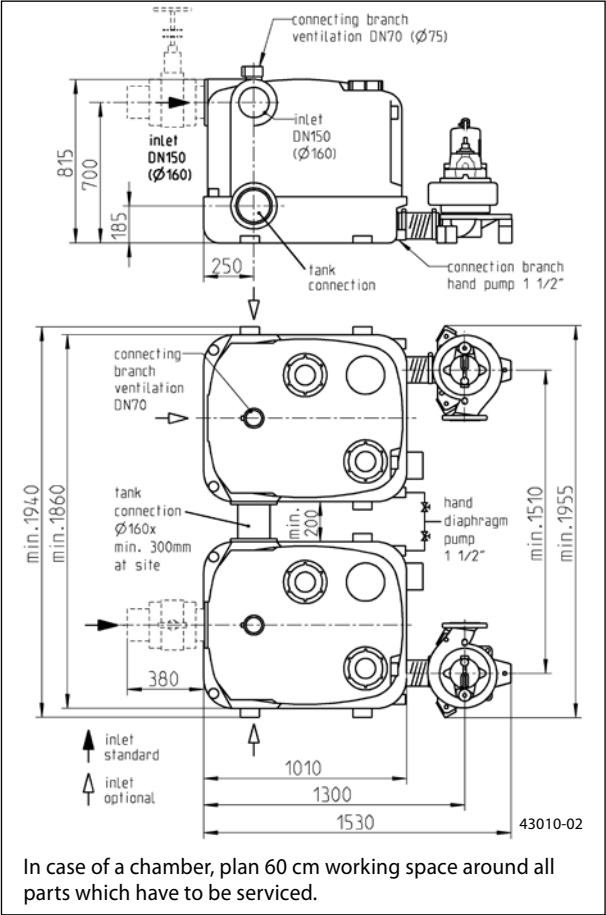
							Article No.	
	①	Seal leak detector DKG In case of duplex systems two units have to be taken into consideration.					JP 00252	
	②	Rechargeable battery for control for mains-independent alarm					JP 07562	
	③	Sluice valve with two pipe sockets for 6" inlet and tank connection (DN 150)	H	B	E	F	D	JP 28591
			660	450	110	105	160	
	④	Maintenance valve with pipe socket (DN 100)	H	B	E	F	D	JP 45173
			300	295	60	81	174	
	⑤	Sluice valve* for 4" pressure side (DN 100), PN 10, DIN EN 1171	H	B	E	D		JP 00329
			345	190	–	DN 100 for 4" pressure side		
	⑥	Swing-type check valve R 101* PN 4, flange PN 10, DIN 3202, DIN EN 12050-4 without counterweight						JP 00325
		Swing-type check valve R 100 G* PN 4, flange PN 10, DIN 3202, DIN EN 12050-4 with adjustable counterweight	H	D/DN				JP 00324
			300	100				
	⑦	Hand diaphragm pump for emergency purposes (up to H _{geod} 15 m)	H	E	D			JP 00255
			approx. 640	430	1½"			
	⑧	Stop valve, 1½" (DN 40), PN 16	H	B	D			JP 11837
			125	max. 60	1½"			
	⑨	Elastic connection 1½" (DN 40), PN 4	H	D			JP 20368	
			120	50				
	⑩	Clamp 1½"						JP 03571
	⑪	Flanged connection* (similar to Q unit 90°), C 100 (similar to Q-Stück 90°), B 80 für B5	H	B	C/DN	D/DN		JP 00579 JP 00578
			175 150	120 100	100 PN 10 80 PN 10	100 PN 6 80 PN 6		
	⑫	Y-ducting* DN 100/100/100, PN 10 (only for compli 1500)	H	B	C/DN	D/DN		JP 00203
			355	480	100	100		
	⑬	Flanged spigot F-KS* for pressure side, DN 100, plastic pipe	H	D	C/DN	Flange		JP 08673
			153	110	100	PN 10		
		Welded connection* (F unit), for pressure side, C 100, steel pipe	100	114	100	PN 10		JP 00688
	⑭	Elastic connection 4" (DN 100), PN 4 for pressure side, DN 100, plastic pipe	H	D			JP 21043	
			200	110				
		for pressure side, DN 100, steel pipe	H	D			JP 16348	
			200	114				
	⑮	Clamp 4"						JP 03575
	⑮	Reducing adapter* for B5 (similar to FFR-piece to PN 10)	H	C/DN	D/DN		JP 00498	
			100	80	100			

* with screws and seal

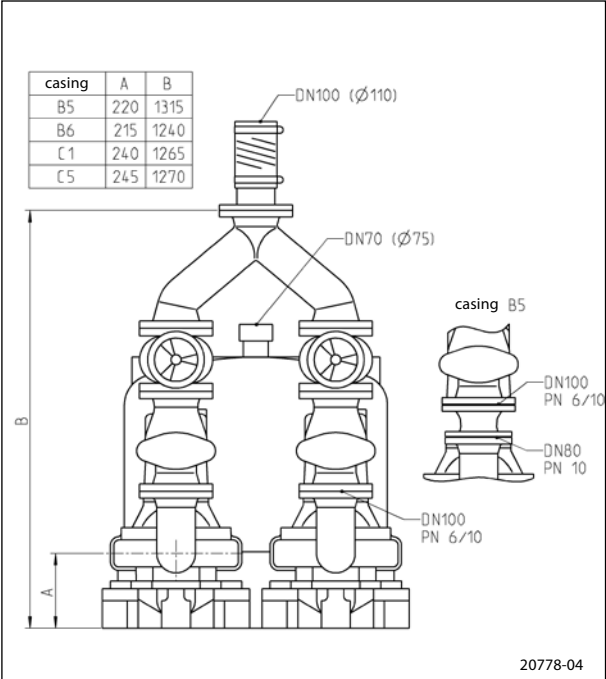
Dimensions compli 1500 (mm)



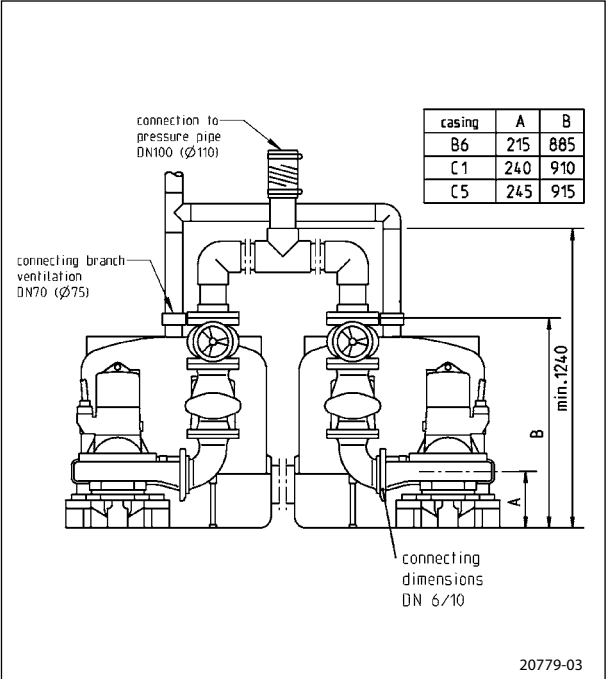
Dimensions compli 2500 (mm)



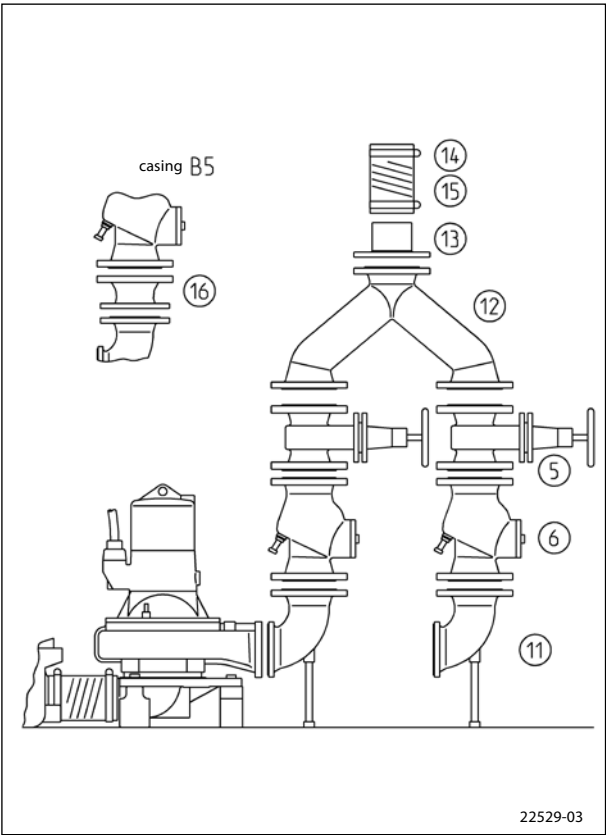
Mounting dimensions compli 1500 (mm)



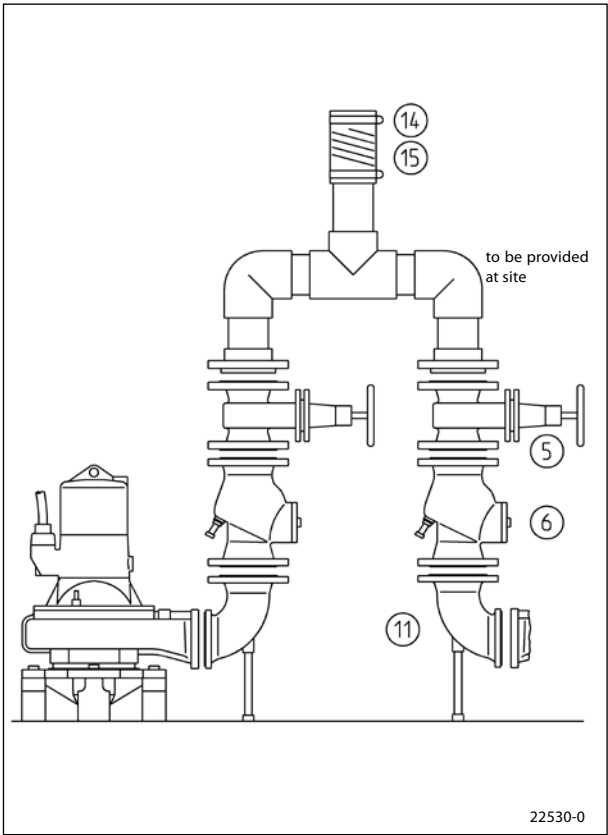
Mounting dimensions compli 2500 (mm)



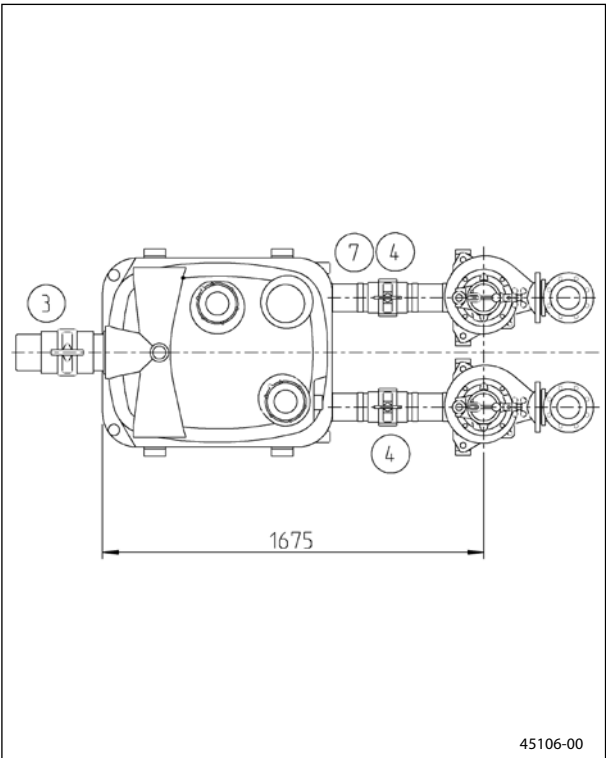
Mounting arrangement of compli 1500



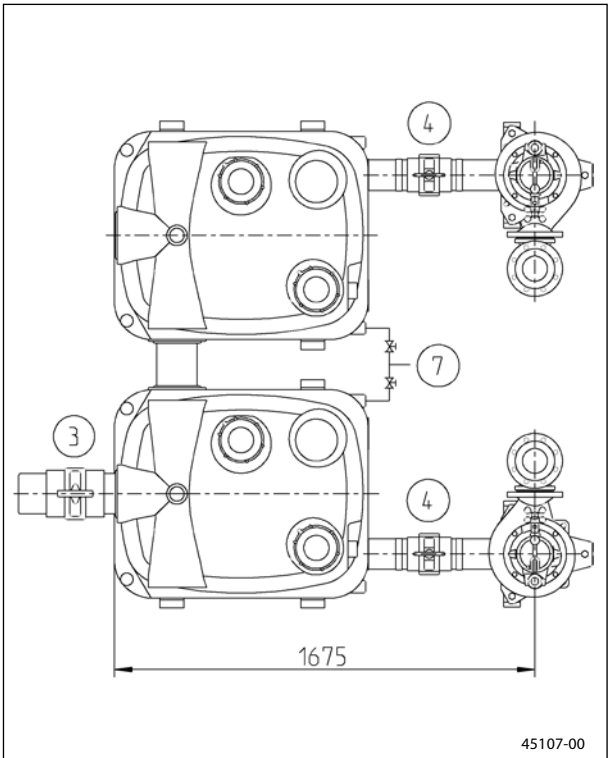
Mounting arrangement of compli 2500



Mounting arrangement of compli 1500



Mounting arrangement of compli 2500



Technical data

Pump

Vertical, single-stage, submersible, single-vane impeller with spiral housing and horizontal outlet flanged on to a stable duckfoot bend as well as low-noise and low-vibration absorber.

Bearing

Common shaft for pump and motor, grease-packed ball bearing.

Motor

Submersible, IP 68 type of protection, insulation class F, winding thermostats for the protection of the drives against overheating, automatic start-up by three-contact circuit and control, operating mode S3 in keeping with VDE

Seal

Silicon-carbide mechanical seal independent of the sense of rotation, oil chamber and artificial carbon mechanical seal (or duplex rotary shaft seal) to motor compartment, safe to run dry, connection options for seal leak detector.

Materials

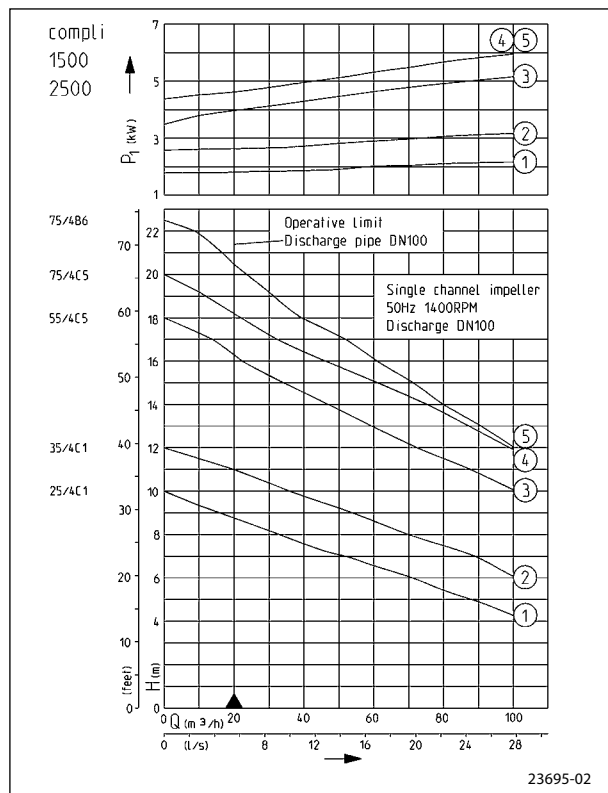
Tank made of corrosion-resistant and environmentally friendly polyethylene, pump and motor housing, impeller and duckfoot bend made of wear-resistant grey cast iron, shaft completely covered against the material to be transported, rubber insulated hose.

Scope of supply

Tank system in keeping with German / international standard DIN EN 12050 in assembly groups, prepared for final assembly on site: Tank with clamp-type flange DN 150, two mounted submersible pumps and automatic three-contact circuit with reed contacts, duckfoot bend, mounting material, elastic connections for the DN 70 ventilation and duckfoot bend connections with clamps, control with motor protection for automatic two-way connection with mains-dependent alarm system, potential-free contact for collective failure messages, hand - 0 - automatic switch and optical display of sense of rotation, alarm and operation. To be fitted with a micro-processor control as well upon request. Cable between pump and control 10 m.

Accessories to be ordered according to mounting drawing.

Performance



We reserve the right to change specifications without notice
Pump performance is subject to ISO 9906 tolerances
The minimum flow velocity in the pressure piping must be 0.7 m/s according to EN 12056.
This data is represented in the performance curve as a limit of application.

Performance

