



Booster Pumps

Product information

Constant vacuum

Negative pressure for safety

Chlorinators in accordance with DIN 19606 serve to bring the chlorine gas to be dosed to a pressure below atmospheric pressure in the piping system. Any leaks would lead to air entering the system and not the escape of chlorine gas.

Ejectors are used to generate the vacuum. Booster pumps provide a reliable supply of the motive water required for the area of the ejectors in sufficient quantity and at the required pressure.

The booster pump is a multi-stage vertical high-pressure centrifugal pump with an inline design, i.e. the suction and pressure connections are in a line.

Functions

- Suitable for use according to DIN 19606
- Delivery capacity up to 22.5 m³/h
- Operating pressure max. 25 bar
- Oval flange with internal thread or round flange according to EN 1092-2
- All parts coming into contact with media are corrosion-resistant

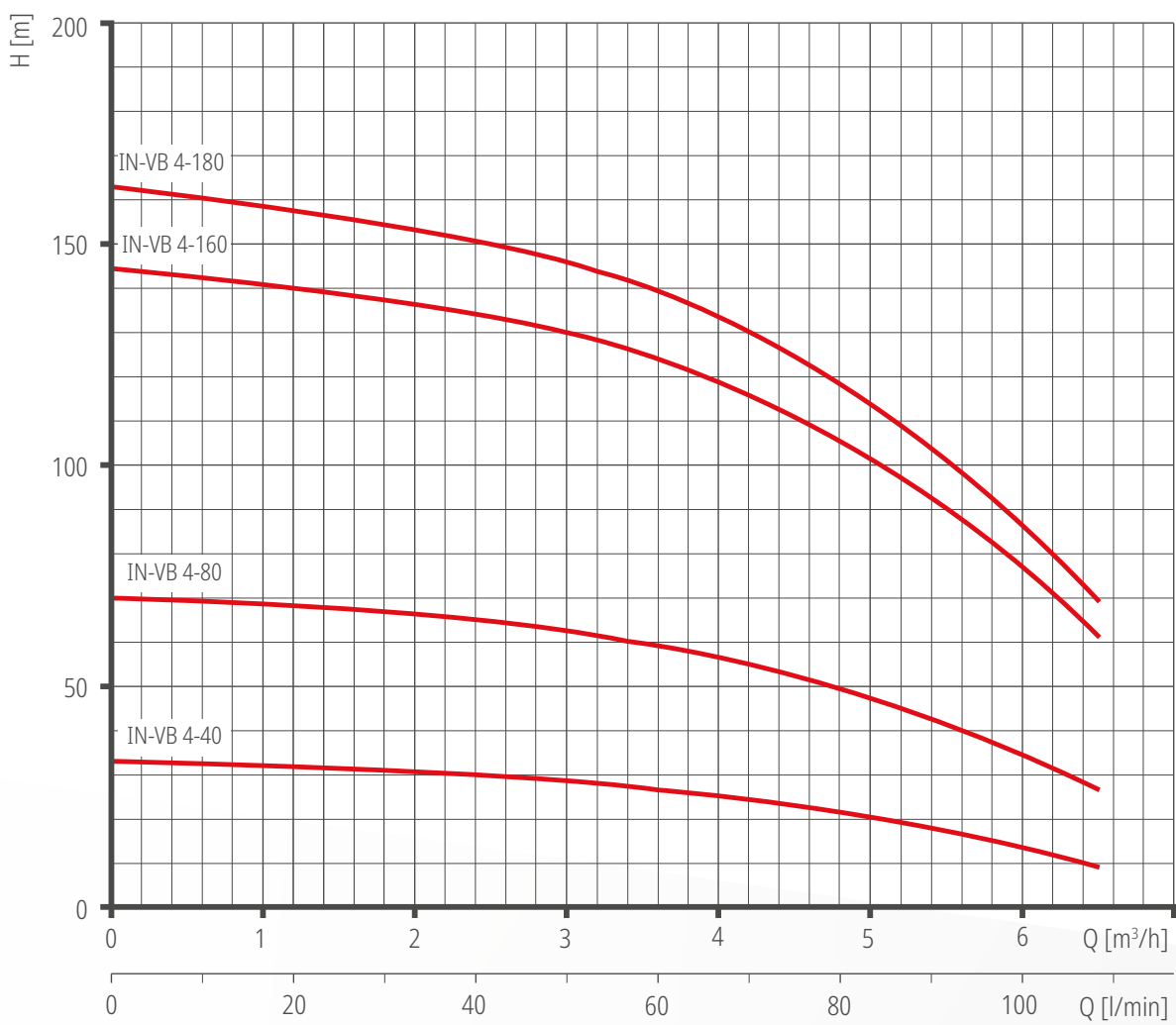
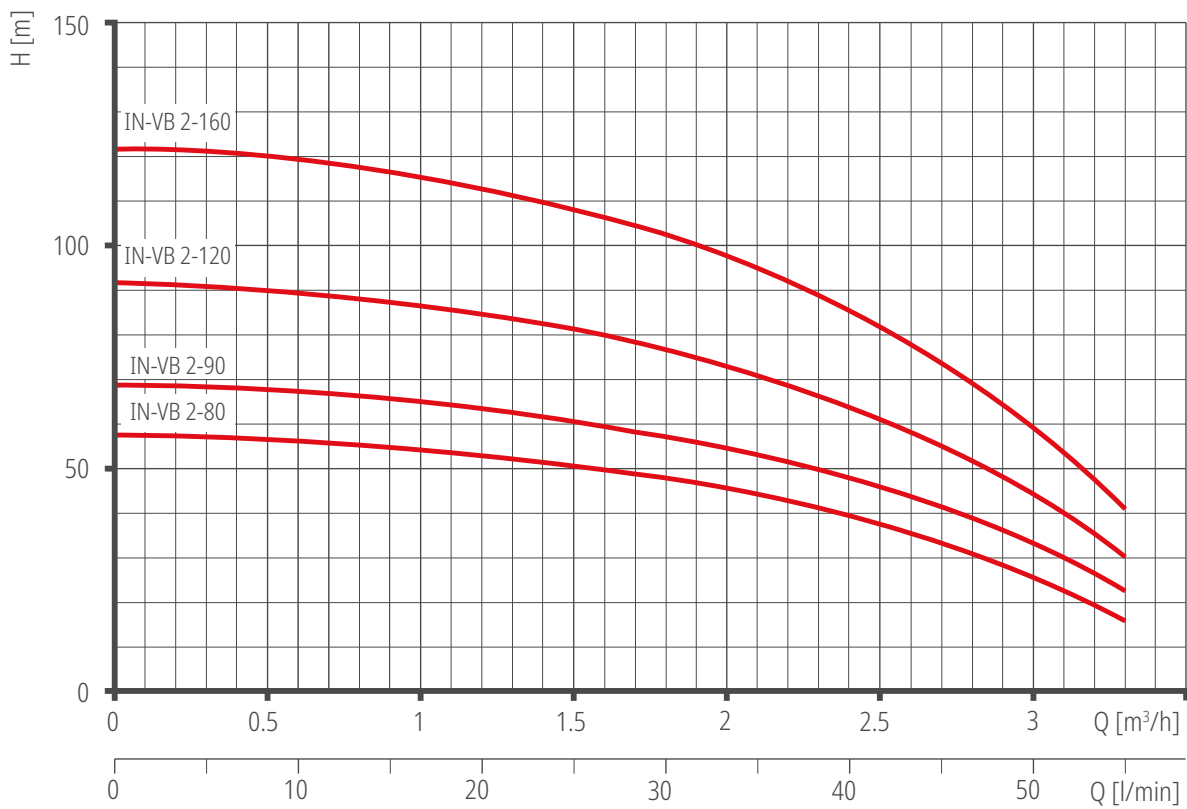
Technical data

Booster pump		
Delivery capacity	m³/h	max. 22.5
Operating pressure	bar	max. 25
Rated output	kW	max. 5.5
Current consumption:	A	max. 10.0
Delivery head	m	max. 160
fluid temperature	°C	-15 to +100
Max. ambient temperature	°C	40
Power supply		3~ 400 V AC, 50 Hz*
Protection class		IP55
Insulation class		F
Material		Stainless steel, cast iron, EPDM
Weight	kg	max. 52

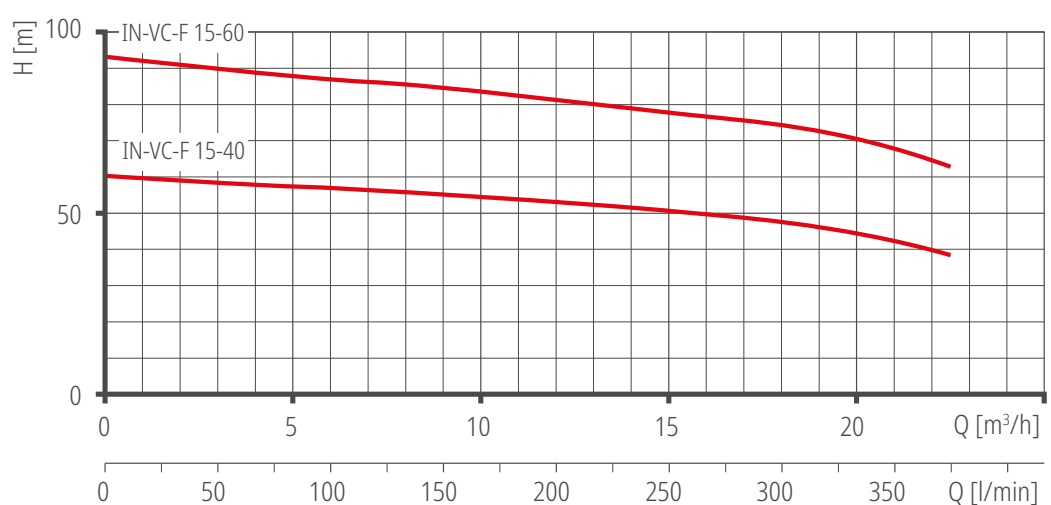
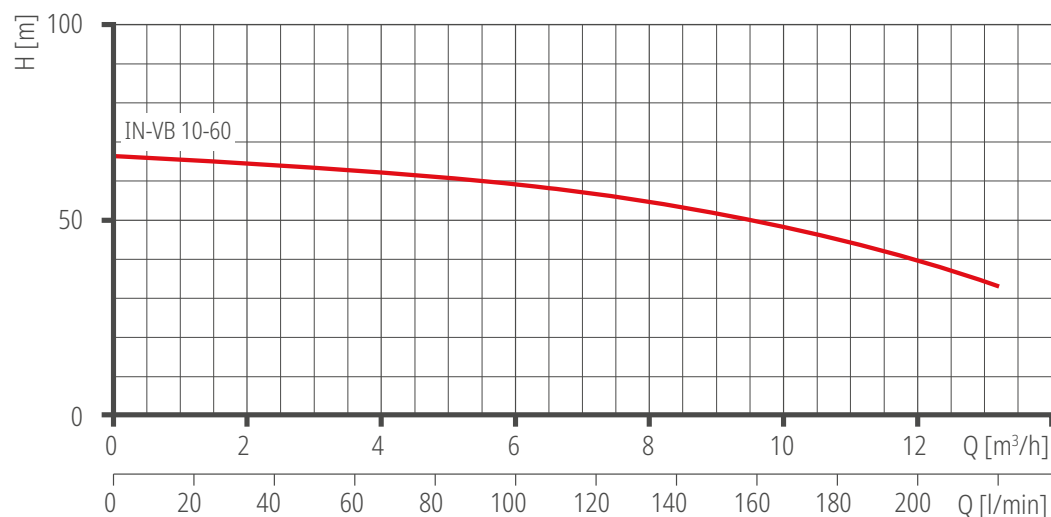
*Version for other voltage supplies available upon request.

safety is our concern

Delivery characteristic curves



Delivery characteristic curves



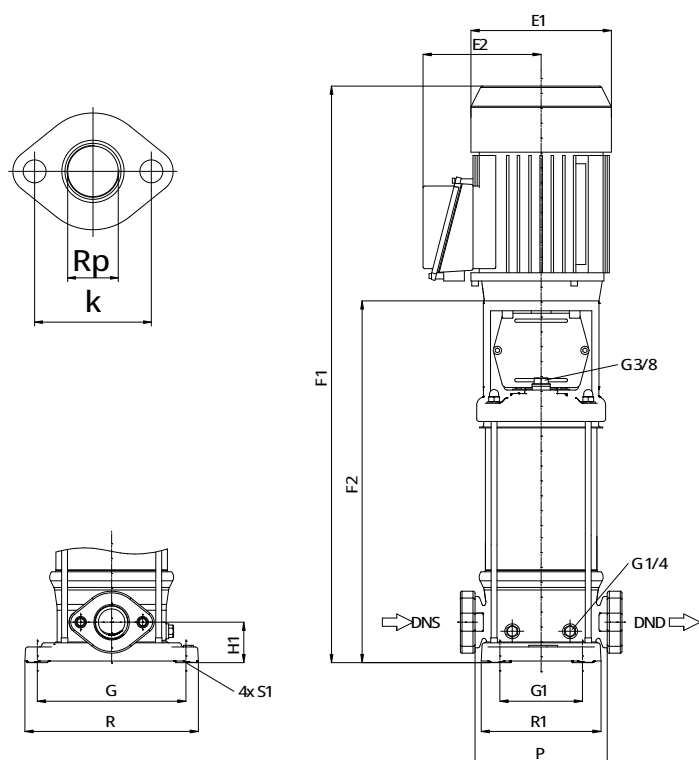
Examples in combination with ejectors

Ejector Type	Booster pump type	Ejector back pressure	Required motive water flow	Required motive water pressure
A (max. 1 kg/h Cl_2)	IN-VB 2-80	0.5 bar	0.42 m^3/h	4.2 bar
	IN-VB 2-120	1.0 bar	0.53 m^3/h	7.0 bar
	IN-VB 2-120	2.0 bar	0.62 m^3/h	8.5 bar
B (max. 2 kg/h Cl_2)	IN-VB 2-80	0.5 bar	0.82 m^3/h	4.5 bar
	IN-VB 2-90	1.0 bar	1.1 m^3/h	6.5 bar
	IN-VB 2-120	2.0 bar	1.2 m^3/h	8.5 bar
E (max. 4 kg/h Cl_2)	IN-VB 2-90	0.5 bar	1.35 m^3/h	6.0 bar
	IN-VB 2-120	1.0 bar	1.55 m^3/h	7.0 bar
	IN-VB 2-160	2.0 bar	1.9 m^3/h	10.0 bar
C (max. 5 kg/h Cl_2)	IN-VB 4-40	1.0 bar	3.8 m^3/h	2.5 bar
	IN-VB 4-80	2.0 bar	4.9 m^3/h	4.5 bar
C (max. 10 kg/h Cl_2)	IN-VB 4-80	1.0 bar	4.7 m^3/h	4.0 bar
	IN-VB 4-80	2.0 bar	5.0 m^3/h	4.8 bar
C (max. 15 kg/h Cl_2)	IN-VB 4-160	1.0 bar	6.0 m^3/h	7.5 bar
	IN-VB-F 4-180	2.0 bar	6.2 m^3/h	8.0 bar
D (max. 25 kg/h Cl_2)	IN-VB 10-60	1.0 bar	12.8 m^3/h	3.5 bar
	IN-VC-F 15-40	2.0 bar	15.0 m^3/h	4.5 bar
D (max. 40 kg/h Cl_2)	IN-VC-F 15-60	1.0 bar	15.5 m^3/h	6.0 bar
	IN-VC-F 15-60	2.0 bar	16.0 m^3/h	6.8 bar

Dimensions

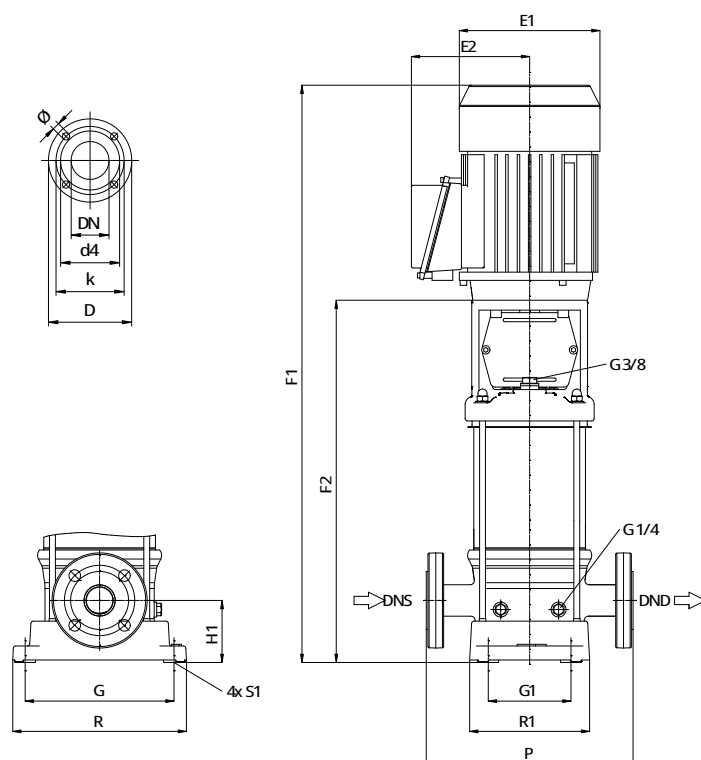
Pump with oval flange

All dimensions in mm



Pump with round flange

All dimensions in mm



	IN-VB 2-80	IN-VB 2-90	IN-VB 2-120	IN-VB 2-160	IN-VB 4-40	IN-VB 4-80	IN-VB 4-160	IN-VB 10-60	IN-VC-F 4-180	IN-VC-F 15-40	IN-VC-F 15-60
DND	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	32	50	50
DNS	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	32	50	50
E1	134	150	150	185	134	185	199	185	199	241	288
E2	107	115	115	139	107	139	150	139	150	165	197
F1	641	653	748	862	545	689	907	743	975	831	980
F2	398	419	484	580	302	408	590	462	658	475	561
G	180	180	180	180	180	180	180	215	180	215	215
G1	100	100	100	100	100	100	100	130	100	130	130
H1	50	50	50	50	50	50	50	80	75	90	90
P	160	160	160	160	160	160	160	200	250	300	300
R	210	210	210	210	210	210	210	247	210	247	247
R1	145	145	145	145	145	145	145	184	145	184	184
S1	13	13	13	13	13	13	13	14	13	14	14
k	75	75	75	75	100	100	100	100	100	125	125
D	-	-	-	-	-	-	-	-	140	165	165
d4	-	-	-	-	-	-	-	-	76	99	99
Ø	-	-	-	-	-	-	-	-	19	19	19

Standard accessories

- Extension set (consisting of ball valves, reducers, angled non-return valve and pressure gauge)
- Wall bracket

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