

Single-channel Pump Heads

Configure Hei-FLOW models individually

Conveying and dosing for all kinds of applications. The sealed ball bearings protect against corrosion and ensure reliable continuous operation. With the versatile selection of pump heads for single-channel operation, the right solution can be configured for every application.



SP quick

For quick and easy tube change by means of a practical lever

- Low pulsation due to five rollers
- Sealed ball bearings
- Stainless steel rollers and roller supports
- Depending on the drive and tubing used, flow rates of 0.45 to 4,500 ml/min are possible.

For tube wall thickness 1.6 mm
P/N 527-11100-00

For tube wall thickness 2.5 mm
P/N 527-11300-00



SP standard

All-purpose for simple pumping tasks

- Sealed ball bearings
- Stainless steel rollers, polyamide roller carrier
- Depending on the drive and tubing used, flow rates of 3.3 to 4,300 ml/min are possible.

For tube wall thickness 1.6 mm
P/N 523-43010-00

For tube wall thickness 2.5 mm
P/N 523-43030-00



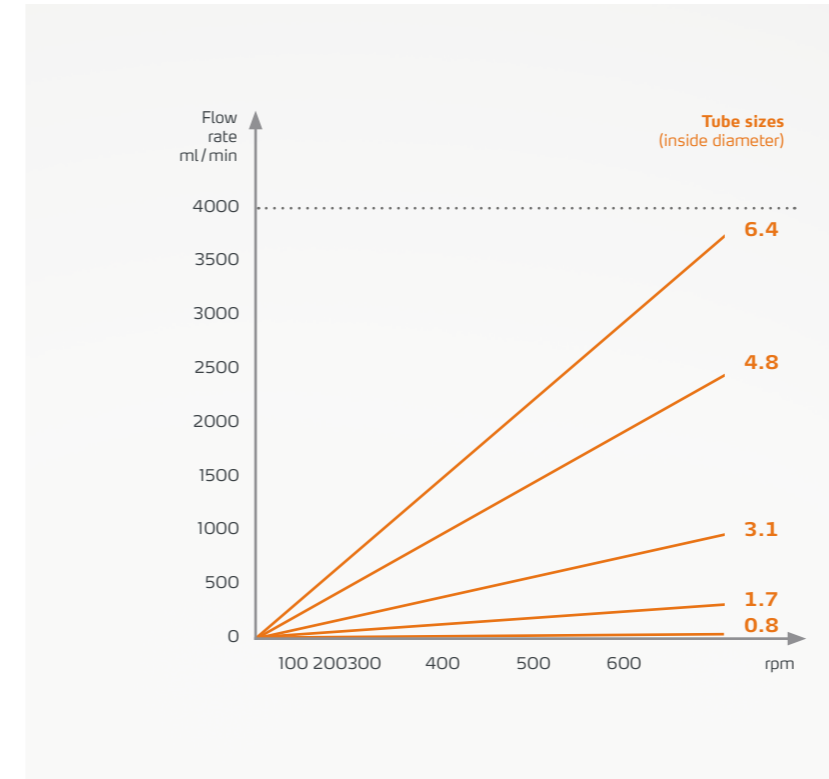
SP vario

Flexible for versatile use

- Rotor with adjustable roller distance, for adaptation to the tube wall thickness
- Sealed ball bearings
- Stainless steel rollers, aluminum coated roller carrier
- Depending on the drive and tubing used, flow rates of 3.3 to 4,300 ml/min are possible.

P/N 523-45110-00

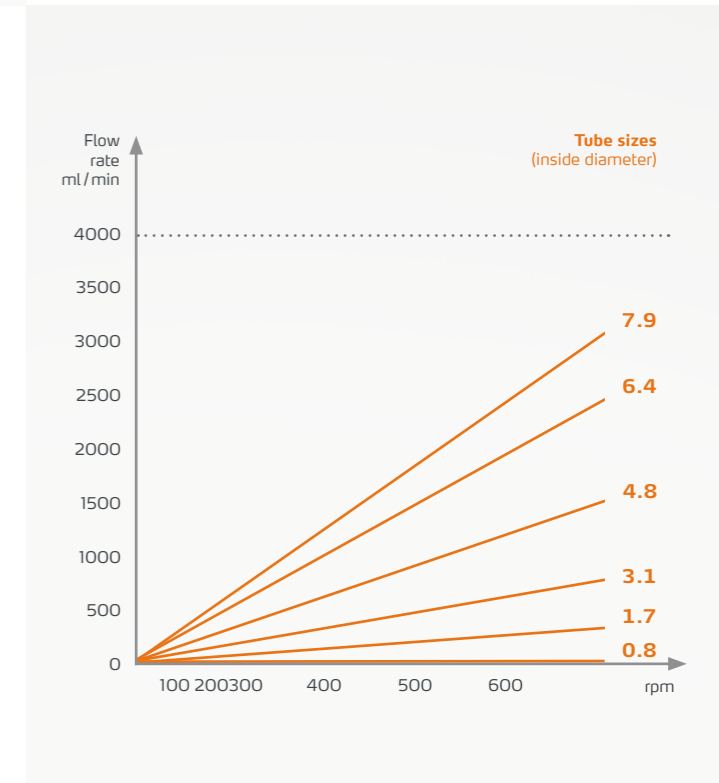
Flow rates for single-channel pump heads







SP standard SP vario







SP quick



Tube sizes for single-channel pump heads

Tube sizes					
Inside diameter	mm	0.8	1.7	3.1	4.8
Outside diameter	mm	4	4.9	6.3	8
Tube wall thickness (WT)	mm	1.6	1.6	1.6	1.6
Max. operating pressure (duration/short-term)	bar	0.7 / 1.7	0.7 / 1.7	0.7 / 1.7	0.5 / 1.5
Suction lift	mH ₂ O	8.8	8.8	8.8	8.8

Tube sizes					
Inside diameter	mm	6.4	4.8	6.4	7.9
Outside diameter	mm	9.5	9.8	11.3	12.9
Tube wall thickness (WT)	mm	1.6	2.5	2.5	2.5
Max. operating pressure (duration/short-term)	bar	0.5 / 1.5	0.8 / 1.8	0.8 / 1.8	0.8 / 1.8
Suction lift	mH ₂ O	6.7	8.8	8.8	8.8

Mean value of the flow rate in combination with pump head and pump drive

SP quick		min.	max.	min.	max.	min.	max.	min.	max.
Hei-FLOW Core / Expert / Ultimate 600	ml/min	2.6	33	6	200	23	818	65	1,500
Hei-FLOW Core / Expert / Ultimate 120	ml/min	0.5	10	1.7	40	5.4	130	11.6	275

SP standard / SP vario		min.	max.	min.	max.	min.	max.
Hei-FLOW Core / Expert / Ultimate 600	ml/min	12	225	49	1,135	100	2,362
Hei-FLOW Core / Expert / Ultimate 120	ml/min	3.3	58.5	8.9	216	20.5	494

All flow rate data refer to Tygon® (standard) tubes and the medium water.

SP quick		min.	max.	min.	max.	min.	max.	min.	max.
Hei-FLOW Core / Expert / Ultimate 600	ml/min	96	2,074	77	1,885	98	2,556	163	4,500
Hei-FLOW Core / Expert / Ultimate 120	ml/min	17.2	407	14	280	26	480	35	684

SP standard / SP vario		min.	max.	min.	max.	min.	max.
Hei-FLOW Core / Expert / Ultimate 600	ml/min	160	4,290	109	2,442	193	4,304
Hei-FLOW Core / Expert / Ultimate 120	ml/min	33	797	26	481	37.4	936

All flow rate data refer to Tygon® (standard) tubes and the medium water.

Order numbers

Tubing (per meter)	P/N	P/N	P/N	P/N
Silicone	525-33000-00	525-34000-00	525-36000-00	525-30027-00
Viton®	525-53000-00	525-54000-00	525-56000-00	525-50027-00
PharMed®	525-23000-00	525-24000-00	525-26000-00	525-20027-00
Tygon® standard	525-63000-00	525-64000-00	525-66000-00	525-60027-00
Tygon® for hydrocarbons	525-73000-00	525-74000-00	525-76000-00	525-70027-00
Tygon® 2001 for food	525-83000-00	525-84000-00	525-86000-00	525-80027-00

Tubing (per meter)	P/N	P/N	P/N	P/N
Silicone	525-30028-00	525-35000-00	525-39000-00	525-32000-00
Viton®	525-50028-00	525-55000-00	525-59000-00	525-52000-00
PharMed®	525-20028-00	525-25000-00	525-29000-00	525-22000-00
Tygon® standard	525-60028-00	525-65000-00	525-69000-00	525-62000-00
Tygon® for hydrocarbons	525-70028-00	525-75000-00	525-79000-00	525-72000-00
Tygon® 2001 for food	525-80028-00	525-85000-00	525-89000-00	-