

Technical data sheet

HydroFixx

Combined flow and return manifold with chambers arranged adjacent to one another and separated by sinusoidal parting wall, with hydraulic separator welded on horizontally directly beneath the chambers. Made from rectangular profile S235. Feed from/to the heating boiler can take place both from above at the Sinus compact manifold and from below, at the hydraulic separator. Heating circuit connections configured as threaded and/or flanged nozzles PN 6/16 and aligned to the height of the shut-off valves. With sludge trap with sludge removal bushing exiting downwards. The HydroFixx is 100% tightness tested and primed before leaving the factory.

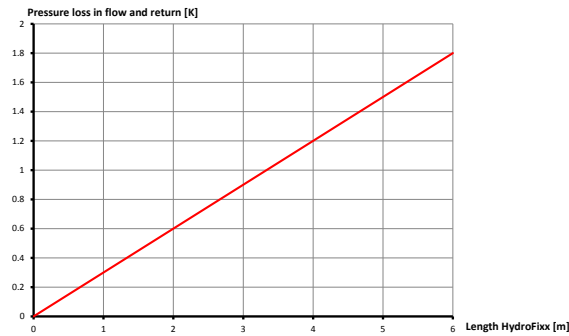
Manufacturer certification	
Description	HydroFixx
Design pressure	0/6 bar
Design temperature	0/+110 °C
Design procedure	Article 4, Paragraph 3
Manufacturer	Sinusverteiler GmbH Dieselweg 2 48493 Wetrtingen/Germany
We declare under our sole responsibility that the pressure equipment meets the requirements of Directive 97/23/EC. This product was manufactured in accordance with the principles of GEP "Good Engineering Practice".	

Type	Power at ΔT 20 K	Heating water flow rate	Manifold capacity	Separator capacity	Heat transfer at 70 °/50 °C		Return flow increase	Main body weight	Largest nozzle/boiler connection	Nozzle spacing	Wall thickness
[WxH]	[kW]	[m³/h]	[litres/running metre]	[litres/running metre]	[kW/running metre]	[%]	[K/running metre]	[kg/running metre]	[DN]	[mm]	[mm]
120/120	160	7.0	8.0	4.0	2.7	1.8	0.3	19.8	50/65	200/250 variable	4
160/160	250	10.8	10.9	11.5	3.7	1.5	0.3	26.2	65/80	250/300 variable	4
180/180	400	17.2	17.6	11.3	4.2	1.0	0.2	30.3	80/100	250/300/350/variable	4
200/200	600	25.8	21.5	14.5	4.3	1.0	0.2	33.7	100/125	250/300/350/variable	4
280/320	1250	53.8	45.0	35.9	7.8	0.6	0.1	72.6	125/150	300/350/variable	6
300/350	1600	68.8	54.1	41.4	8.3	0.5	0.1	79.0	125/150	300/350/variable	6
400/400	2100	90.0	72.9	75.2	10.6	0.5	0.1	98.3	150	variable	6
450/450	3500	150.0	83.3	84.9	11.5	0.3	0.1	147.7	200	variable	8
500/550	4500	194.0	137.3	117.1	13.6	0.3	0.1	174.8	250	variable	8

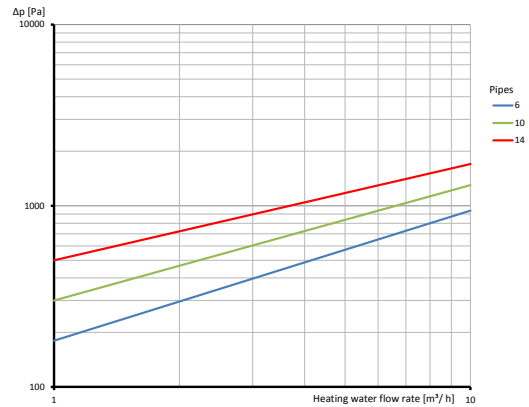
Heat transfer and pressure loss between flow and return chambers

Heat transfer diagram showing the return temperature increase in Kelvin [K] per running metre of manifold length and pressure loss diagram showing pressure loss dependent on the water throughput for a given number of nozzles.

Type 120/120

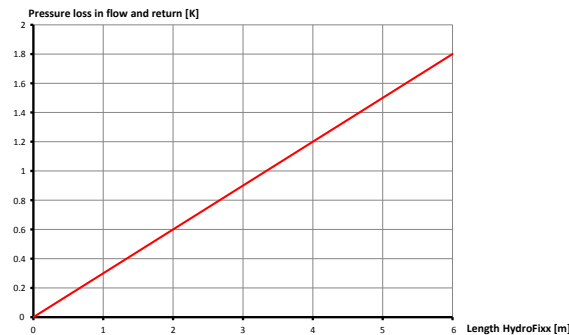


Heat transfer between flow and return chambers

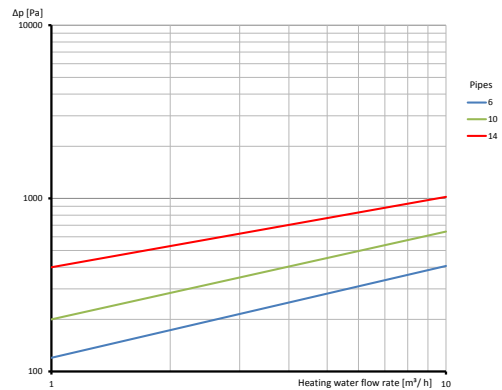


Pressure loss in flow and return

Type 160/160

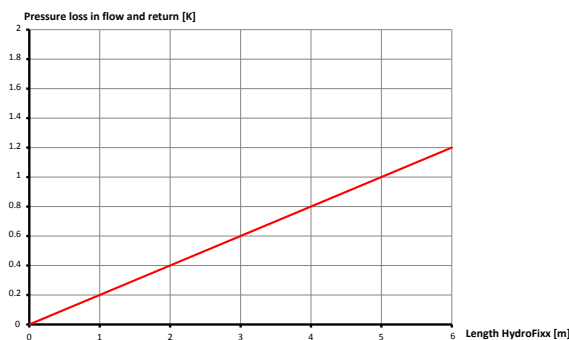


Heat transfer between flow and return chambers

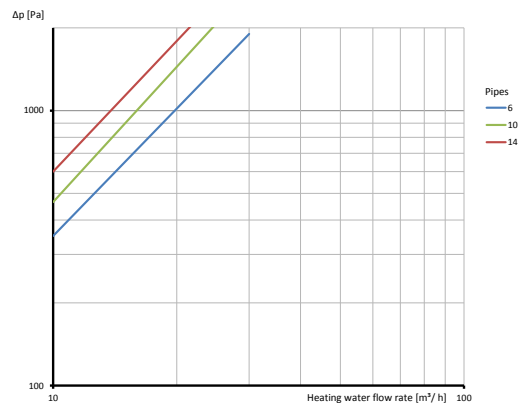


Pressure loss in flow and return

Type 180/180

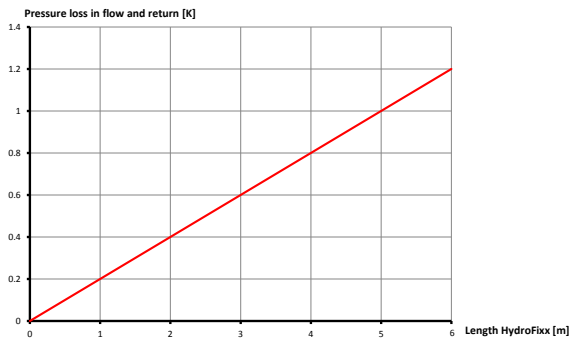


Heat transfer between flow and return chambers



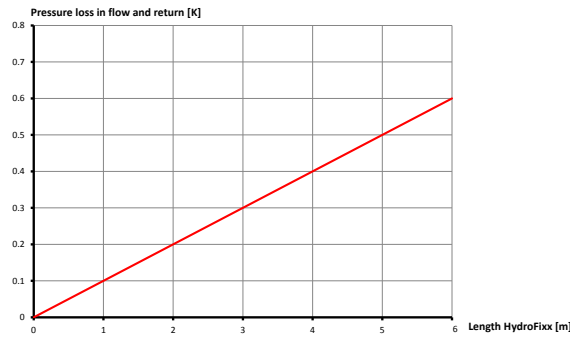
Pressure loss in flow and return

Type 200/200



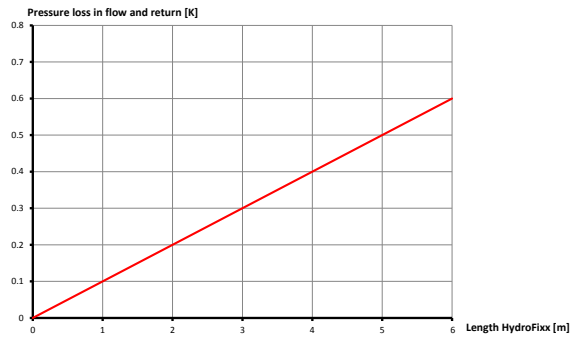
Heat transfer between flow and return chambers

Type 280/320



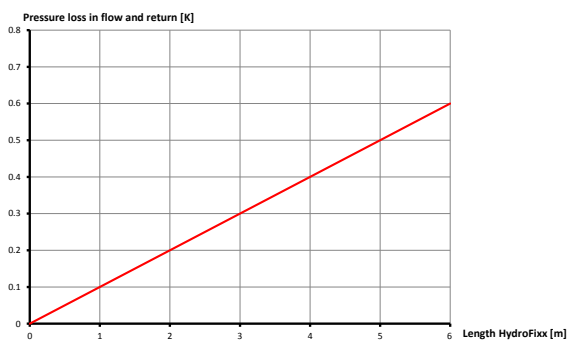
Heat transfer between flow and return chambers

Type 300/350

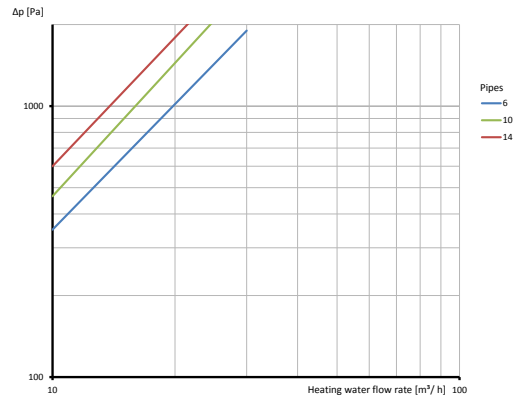


Heat transfer between flow and return chambers

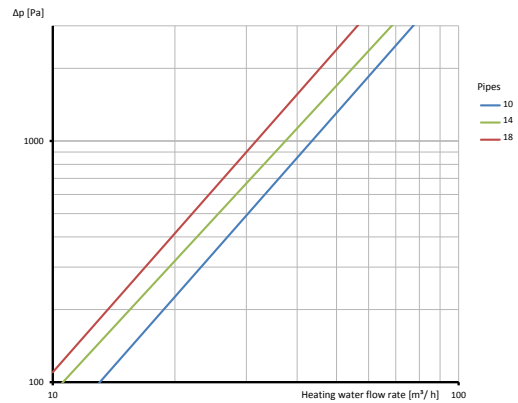
Type 400/400



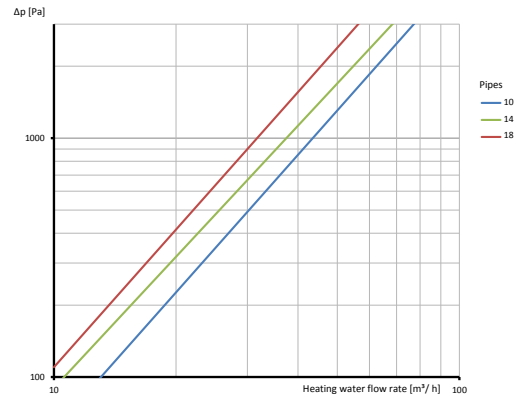
Heat transfer between flow and return chambers



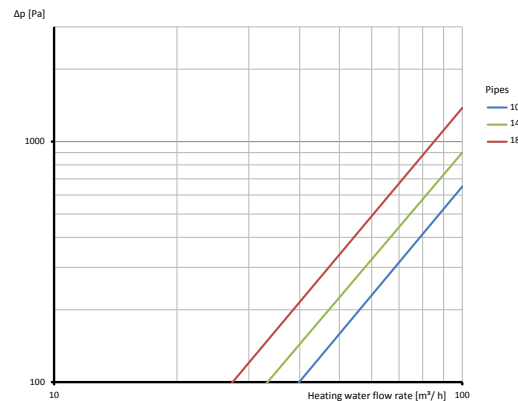
Pressure loss in flow and return



Pressure loss in flow and return



Pressure loss in flow and return



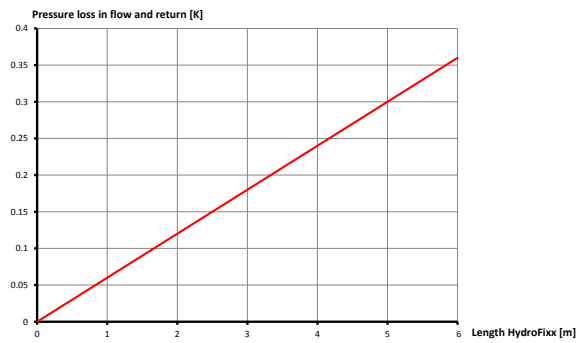
Pressure loss in flow and return

Type 450/450

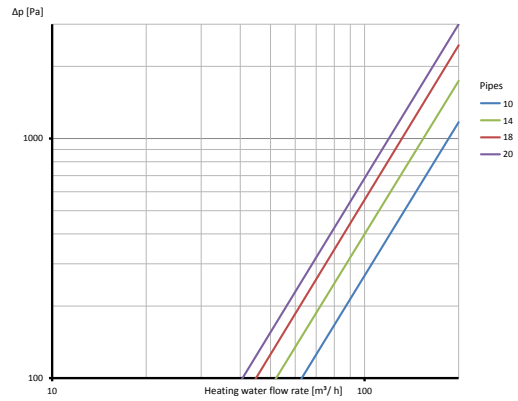


Heat transfer between flow and return chambers

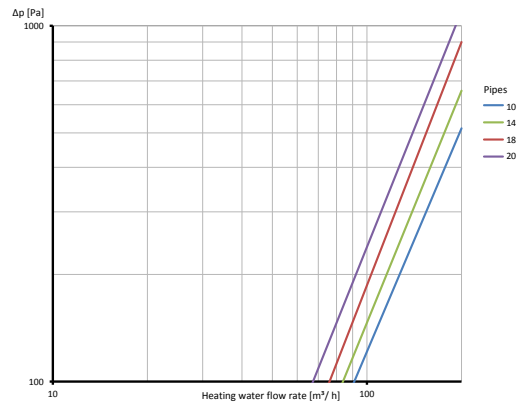
Type 500/550



Heat transfer between flow and return chambers



Pressure loss in flow and return



Pressure loss in flow and return