



P25

P23

SMITH ST.

- Aquatherm pipes
- Existing pipes
- Pre-insulated jacketed pipes

Nominal pipe diameter	Actual pipe diameter, Outside	Pipe diameter, Inside, ¹	Max. fluid velocity ²		Max. heat capacity ³		Pressure loss
			Main pipe and arms	Building connector	Main pipe and arms	Building connector	
4.0"	125 mm	102 mm	1.9 m/s	1.9 m/s	784 kW	784 kW	223 Pa/m
3.5"	110 mm	90 mm	1.8 m/s	1.8 m/s	575 kW	575 kW	275 Pa/m
3.0"	90 mm	74 mm	1.6 m/s	1.6 m/s	342 kW	342 kW	268 Pa/m
2.5"	75 mm	61 mm	1.4 m/s	1.4 m/s	208 kW	208 kW	285 Pa/m
2.0"	63 mm	52 mm	1.2 m/s	1.0 m/s	126 kW	105 kW	285 Pa/m
1.5"	50 mm	41 mm	1.1 m/s	0.8 m/s	73 kW	53 kW	296 Pa/m
1.25"	40 mm	33 mm	1.0 m/s	0.6 m/s	42 kW	25 kW	350 Pa/m

¹SDR-11 (wall thickness 1/11 of outside pipe diameter)
²Max. fluid velocity acc. to QM Holzheizwerke: "Band 4 - Planungshandbuch", 2004, Tbl 5.11, ch. 5.7.4, pg. 67
³At 12 K temperature difference between supply and return water