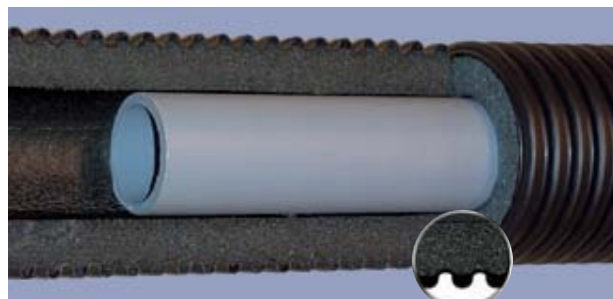


Twin pipes up to 63 mm, Single pipes up to 110 mm



Watertight bond between foam and outer casing

The compact standard system

Main advantages

- Unique construction
- Water tight bond between corrugated outer pipe and polyolefine insulation.
- Top foam quality – proven $\lambda = 0,031$ W/mK at 50° C
- Water diffusion resistance $\mu > 3.500$
- Light weight system (1.6 kg for 2x32 in 125 outer casing)
- High flexibility at low temperatures $< 0^\circ\text{C}$
- Highly flexible – easy to bend around corners
- Single lines 25 – 110 mm and twin lines 25 – 63 mm
- Easy to install, full range of easy to use fittings
- Built in expansion compensation
- Very low friction loss – proven for high flow speed
- Pressure hammer absorption

FLEXALEN 600 Dimensions

Product code	D.N.	Inch	Casing Pipe O.D. [mm]	Carrier pipe		Wall thickness [mm]	No. of medium pipes	Minimum bending radius [m]	Standard coil length [m]	Weight [kg/ metre]
				O.D. [mm]	I.D. [mm]					
VS-RS125A2/25	20	¾	125	25	20,4	2,3	2	0,6	100	1,40
VS-RS125A2/32	25	1	125	32	26,0	3,0	2	0,6	100	1,60
VS-RS160A2/40	32	1¼	160	40	32,6	3,7	2	0,8	100	2,50
VS-RS160A2/50	40	1½	160	50	40,8	4,6	2	0,8	100	3,00
VS-RS200A2/63	50	2	200	63	51,4	5,8	2	1,25	50	4,25
VS-RS90A25	20	¾	90	25	20,4	2,3	1	0,4	100	0,75
VS-RS90A32	25	1	90	32	26,0	3,0	1	0,4	100	0,85
VS-RS90A40	32	1¼	90	40	32,6	3,7	1	0,5	100	1,00
VS-RS125A50	40	1½	125	50	40,8	4,6	1	0,7	100	1,75
VS-RS125A63	50	2	125	63	51,4	5,8	1	0,8	100	2,05
VS-RS160A75	65	2½	160	75	61,2	6,9	1	0,8	100	3,05
VS-RS160A90	80	3	160	90	73,6	8,2	1	1,0	100	3,60
VS-R200A110	100	4	200	110	90,0	10,0	1	1,25	50	5,00

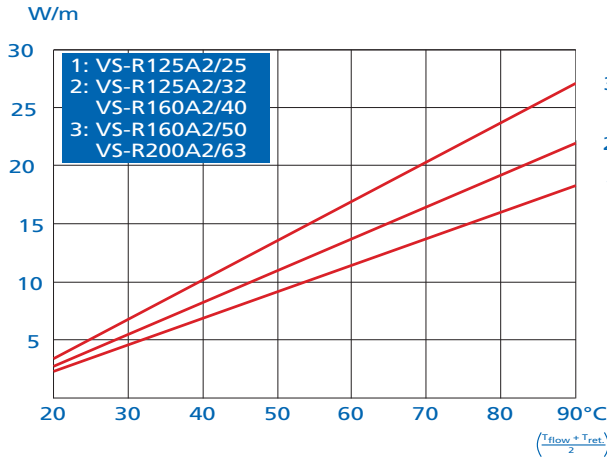
Temperature/Pressure rating for PB carrier pipes:

Operating Temperature in °C	-15° C	0° C	20° C	40° C	60° C	70° C	80° C	95° C
Operating Pressure in bar	16 bar	16 bar	16 bar	15 bar	12 bar	10 bar	9 bar	8 bar

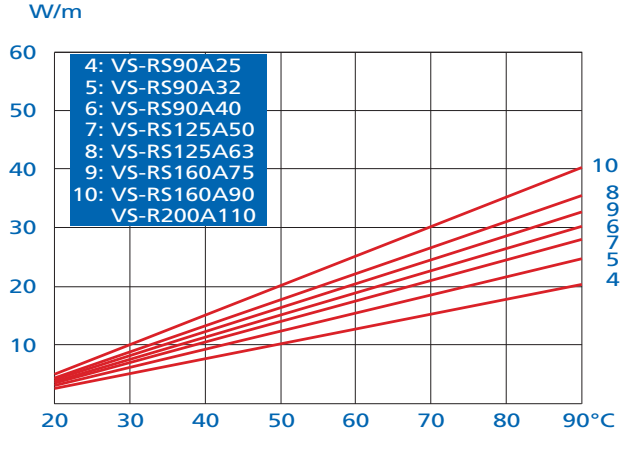
Peak temperature 95 °C

Temperature range -15° C to +95° C

Heat loss twin pipe (Heating flow & return)



Heat loss single pipe (Heating flow & return)



Domestic Hot Water

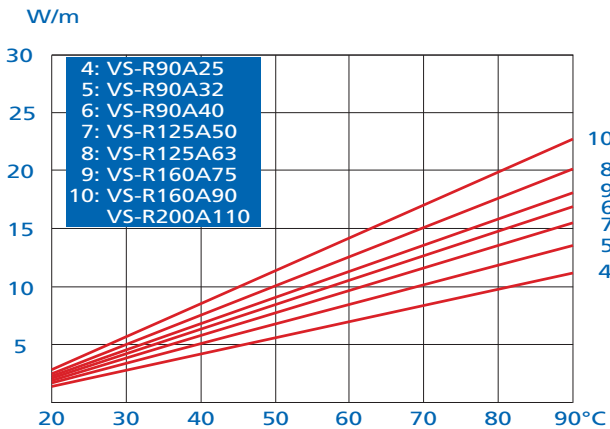


Chart data based on following criteria:

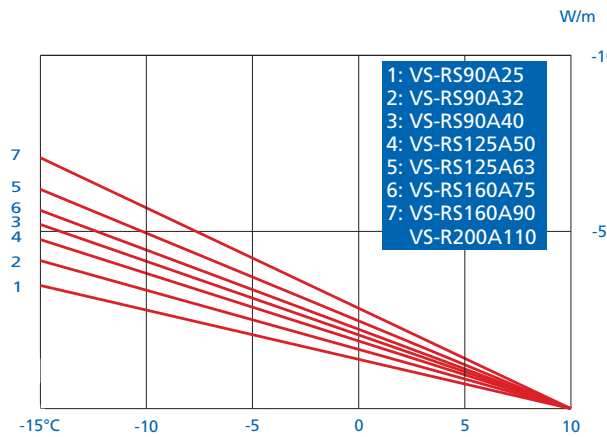
Soil temperature: 10° C
 Covering: 0,8 m
 Heat Conductivity soil: 0,8 W/mK

The Lambda conductivity for the soil varies between 0,3-3,0 W/mK depending on the humidity.

Now with improved insulating value $\lambda_{50} = 0,031$ W/mK

Heat transmission of chilled and cold water pipes for medium temperature <10° C

Single pipe



Heat loss for chilled and cold water pipes for medium temperature >10° C

Single pipe

