



Lined Pipes



Lined Pipes (PN 10)

Our pipes are lined, totally stainless, with paste-extruded PTFE and fully automatically tested. Depending on the nominal pipe size, we produce pipes up to a total length of 6 metres.



Lined Pipes (PN 10)

Materials:

- carbon steel
- stainless steel

Lining materials:

- PTFE (virgin or conductive)
- PP (up to nominal pipe size DN 300)

Flanges according to EN 1092-1:

- fix-loose
- fix-fix
- loose-loose

Other pressure levels:

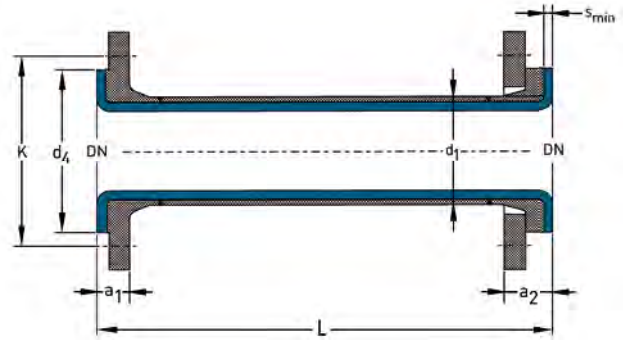
- PN 16
- PN 25
- PN 40

Special features:

- earthing stud/lug
- vent hole extension
- flange stopper

Optional extras:

- final painting
- non-destructive testing



DN	L (mm)		d ₁ (mm)	d ₄ (mm)	K (mm)	s _{min} (mm)	a ₁ (mm)	a ₂ (mm)	No. of bolts x thread	Weights	
	min.	max.								Pipe (ca. kg/m)	Pair of flanges (ca. kg)
15	84	6000	26.9	45	65	3.0	19.0	29.0	4 x M12	1.8	1.5
20	90	6000	26.9	58	75	3.0	21.0	33.0	4 x M12	1.8	2.3
25	90	6000	33.7	68	85	3.0	21.0	33.0	4 x M12	2.5	2.8
32	103	6000	42.4	78	100	3.0	21.0	35.0	4 x M16	3.2	4.2
40	103	6000	48.3	88	110	3.0	21.0	35.0	4 x M16	3.7	4.9
50	107	6000	60.3	102	125	3.0	21.0	39.0	4 x M16	5.1	6.0
65	107	6000	76.1	122	145	3.0	21.0	39.0	8 x M16	6.6	7.3
80	109	6000	88.9	138	160	3.0	23.0	39.0	8 x M16	8.4	9.0
100	113	6000	114.3	158	180	3.0	23.0	43.0	8 x M16	11.9	10.8
125	120	6000	139.7	188	210	4.0	26.0	44.0	8 x M16	16.8	14.4
150	130	6000	168.3	212	240	4.5	26.5	48.5	8 x M20	22.9	18.3
200	133	6000	219.1	268	295	5.0	29.0	49.0	8 x M20	39.9	26.2
250	141	4000	273.0	320	350	5.0	31.0	53.0	12 x M20	50.1	34.9
300	141	4000	323.9	370	400	5.0	31.0	53.0	12 x M20	65.8	40.3
350	145	3000	355.6	430	460	5.0	31.0	57.0	16 x M20	74.6	57.1
400	162	3000	406.4	482	515	5.0	31.0	61.0	16 x M24	83.0	73.5
450	164	2000	457.0	532	565	5.0	33.0	65.0	20 x M24	93.6	83.4
500	168	2000	508.0	585	620	5.0	33.0	69.0	20 x M24	104.2	98.6

Nominal pipe sizes over DN 500 up to DN 1000 and other construction types on request.

DN	Lining thickness		Possible vacuum		
	standard	thick-walled	23° C	150° C	200° C
25	●	●	☐	☐	☐
40	●	●	☐	☐	☐
50	●	●	☐	☐	☐
80	●	●	☐	☐	☐
100	●	●	☐	☐	☐
150	●	●	☐	☐	☐
200	●	●	☐	☐	☐
250	●	●	☐	☐	☐
300	●	●	☐	☐	☐

L = Total length

L_{min} = Minimum total length with flanges fix-loose

d₁ = Outer diameter of the pipe

d₄ = Raised face diameter

K = Bolt circle diameter

s_{min} = Minimum flare thickness

a₁ = Minimum length with fixed flange (Type 11) and s_{min}

a₂ = Minimum length with loose flange (Types 04/34)

and s_{min}

Technical data valid for the pressure level PN 10.

a₁ and a₂ depend on construction type and lining thickness.

Vacuum resistance:

☐ = full vacuum

☐ = limited vacuum

☐ = no vacuum

Please refer to the next higher nominal pipe size if your nominal pipe size is not listed.