

## Nozzle liners and dip pipes



## PTFE-Nozzle Liner (Class 150)

PTFE nozzle liners protect tank walls during the filling with corrosive media.



## PTFE-Nozzle Liner (Class 150)

Lining material:

- PTFE (virgin or conductive)

Different lining thicknesses on request.

Other pressure rates:

- Class 300



NPS	L <sub>max.</sub> (mm)	d <sub>1</sub> (mm)	Allo- wance ± (mm)	d <sub>4</sub> (mm)	Weight (ca. kg/m)
½"	6000	21,3		35,1	1,27
¾"	6000	26,7		42,9	1,68
1"	6000	33,4	2	50,8	2,50
1¼"	6000	42,2	2	63,5	3,37
1½"	6000	48,3	2	73,2	4,05
2"	6000	60,3	3	91,9	5,44
2½"	6000	73,0	4	104,6	8,64
3"	6000	88,9	4	127,0	11,29
4"	6000	114,3	5	157,2	16,08
5"	6000	141,3	5	185,7	21,77
6"	6000	168,3	5	215,9	28,86
8"	6000	219,1	6	269,7	42,54
10"	3000	273,0	10	323,9	60,30
12"	3000	323,8	10	381,0	73,90
14"	3000	355,6	10	412,8	81,33
16"	2000	406,4	10	469,9	93,27
20"	2000	508,0	10	584,2	117,15

L = Total length

d<sub>1</sub> = Outer diameter of the pipe

d<sub>4</sub> = Flaring diameter

## PTFE-Lined Dip Pipe (Class 150)

Dip pipes allow the precise feeding of corrosive media into tanks. Nozzle heads additionally offer the possibility of a directed dispersion of the medium.



## PTFE-Lined Dip Pipe (Class 150)

Lining material:

- PTFE (virgin or conductive)

Different lining thicknesses on request.

Types:

- welded
- seamless

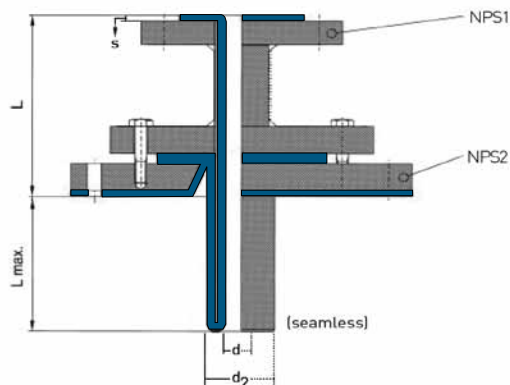
Other pressure rates:

- Class 300

Material: carbon steel and stainless steel

Special features: earthing studs, earthing lugs, flange stopper, final painting, with nozzle head, bended type.

### for calm vessels (standard type)



NPS <sub>1</sub>	Steel pipe Outer diam. x wall	NPS <sub>2</sub>	L (mm)	L <sub>max.</sub> (mm)	s (mm)	d (mm)	d <sub>2</sub> (mm)
				seamless			
1/2"	---	Please indicate with your order	---	---	3,5	13,9	33,7
3/4"	26,7 x 2,9		150	---	3,5	13,9	33,7
1"	33,4 x 3,4		150	2800	3,5	19,6	40,4
1 1/4"	42,2 x 3,6		150	2800	4	27,0	50,2
1 1/2"	48,3 x 3,7		150	2800	4	32,9	56,3
2"	60,3 x 3,9		150	2800	4	44,5	68,3
2 1/2"	73,0 x 5,2		150	2800	4	54,6	81,0
3"	88,9 x 5,5		150	2500	4	69,9	96,6
4"	114,3 x 6,0		150	2500	5	92,3	122,3
5"	141,3 x 6,6		150	2500	4,5	119,1	150,3
6"	168,3 x 7,1		150	2500	5	144,1	178,3
8"	219,1 x 8,2		150	1500	5	192,7	229,1
10"	273,0 x 9,3		150	1500	6	242,4	285,0
12"	323,8 x 9,5		150	1500	6	292,8	335,8

L = Total length

s = Lining thickness

d = Inner diameter of the pipe

d<sub>2</sub> = Outer diameter of the pipe

## PTFE-Lined Dip Pipe (Class 150)

Lining material:

- PTFE (virgin or conductive)

Different lining thicknesses on request.

Types:

- welded
- seamless

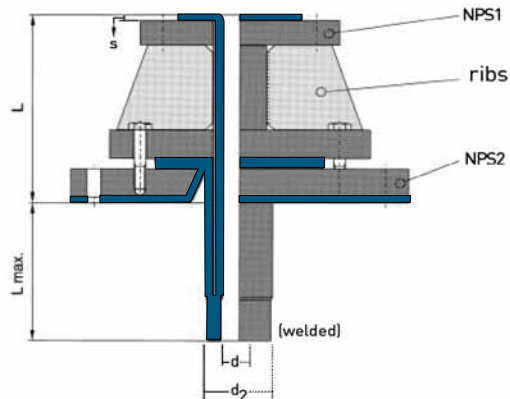
Other pressure rates:

- Class 300

Material: carbon steel and stainless steel

Special features: earthing studs, earthing lugs, flange stopper, final painting, with nozzle head, bended type.

### for agitated vessels (reinforced)



NPS <sub>1</sub>	Steel pipe Outer diam. x wall	NPS <sub>2</sub>	L (mm)	L <sub>max.</sub> (mm)	s (mm)	d (mm)	d <sub>2</sub> (mm)
				welded			
1/2"	---	Please indicate with your order	---	---	---	---	---
3/4"	---		---	---	---	---	---
1"	33,7 x 4,0		150	5000	3,5	18,7	40,7
1 1/4"	42,4 x 6,3		150	5000	4	21,8	50,4
1 1/2"	48,3 x 6,3		150	5000	4	27,7	56,3
2"	60,3 x 8,0		150	5000	4	36,3	68,3
2 1/2"	76,1 x 10,0		150	5000	4	48,1	84,1
3"	88,9 x 10,0		150	5000	4	60,9	96,9
4"	114,3 x 10,0		150	4000	5	84,3	124,3
5"	139,7 x 10,0		150	4000	4,5	110,7	148,7
6"	168,3 x 16,0		150	4000	5	126,3	178,3
8"	219,1 x 16,0		150	4000	5	177,1	229,1
10"	273,0 x 16,0		150	3000	6	229,0	285,0
12"	323,9 x 16,0		150	3000	6	279,9	335,9

L = Total length

s = Lining thickness

d = Inner diameter of the pipe

d<sub>2</sub> = Outer diameter of the pipe