

PN16	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460/1.0619	16.0	15.0	14.2	13.4	12.3	11.1	10.4	10.0	9.6	8.3	5.9							
1.5419	16.0	16.0	15.7	14.6	13.6	12.7	11.9	11.7	11.5	11.1	10.7	10.5	7.3	6.3	4.5			
1.4408	16.0	15.2	13.7	12.1	11.2	10.3	9.9	9.6	9.4	9.2	9.1	9.0	8.9	8.8	8.4	8.3	7.0	5.8
1.4301/1.4308	16.0	14.8	13.0	11.2	10.5	9.9	9.1	8.9	8.7	8.5	8.2	8.1	7.9	7.8	7.3	7.1	6.4	5.0
1.4541	16.0	14.8	13.9	13.0	12.3	11.7	11.2	11.0	10.8	10.5	10.3	10.1	9.9	9.7	9.0	8.5	8.3	7.3

PN25	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460/1.0619	25.0	23.4	22.2	21.0	19.2	17.4	16.2	15.6	15.0	13.0	9.2							
1.5419	25.0	25.0	24.5	22.8	21.3	19.8	18.6	18.3	18.0	17.3	16.7	16.4	11.3	9.9	7.1			
1.4408	25.0	23.8	21.4	18.9	17.5	16.1	15.4	15.1	14.7	14.4	14.1	14.0	13.9	13.8	13.1	12.9	10.9	9.1
1.4301/1.4308	25.0	23.1	20.3	17.5	16.5	15.4	14.3	13.9	13.6	13.2	12.9	12.6	12.3	12.2	11.4	11.1	10.0	7.9
1.4541	25.0	23.1	21.7	20.3	19.3	18.2	17.5	17.2	16.8	16.5	16.1	15.8	15.4	15.1	14.0	13.3	13.0	11.5

PN40	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460/1.0619	40.0	37.4	35.5	33.6	30.7	27.8	25.9	25.0	24.0	20.8	14.7							
1.5419	40.0	40.0	39.1	36.5	34.1	31.7	29.8	29.3	28.8	27.7	26.7	26.2	18.1	15.8	11.3			
1.4408	40.0	38.1	34.2	30.2	28.0	25.8	24.6	24.1	23.5	23.0	22.6	22.4	22.2	22.1	20.9	20.7	17.5	14.5
1.4301/1.4308	40.0	37.0	32.5	28.0	26.3	24.6	22.8	22.3	21.7	21.2	20.6	20.2	19.7	19.5	18.2	17.7	16.0	12.6
1.4541	40.0	37.0	34.7	32.5	30.8	29.1	28.0	27.4	26.9	26.3	25.8	25.2	24.6	24.2	22.4	21.3	20.8	18.3

PN63	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460/1.0619	63.0	59.0	55.9	52.9	48.4	43.8	40.8	39.3	37.8	32.7	23.2							
1.5415/1.5419	63.0	63.0	61.6	57.5	53.7	49.9	46.9	46.1	45.4	43.7	42.0	41.3	28.6	24.9	17.8			
1.7335	63.0	63.0	63.0	63.0	63.0	63.0	58.7	56.5	53.8	51.4	49.7	46.5	39.3	35.1	28.9	18.5		
1.4408	63.0	60.0	53.8	47.6	44.1	40.6	38.8	37.9	37.0	36.2	35.6	35.3	34.9	34.8	32.9	32.6	27.6	22.8
1.7715	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.6	62.2	59.9	57.6	49.6	41.6	31.7	22.3	15.4
1.7383	63.0	63.0	63.0	63.0	63.0	63.0	59.1	57.0	53.8	51.4	49.7	46.5	41.5	40.0	33.9	22.2	21.7	9.4
1.4541	63.0	58.2	54.7	51.2	48.5	45.9	44.1	43.2	42.3	41.5	40.6	39.7	38.8	38.1	35.3	33.6	32.8	28.9
1.4571	63.0	63.0	60.9	56.4	53.8	51.2	48.5	47.2	45.9	45.0	44.1	43.2	41.5	40.0	37.9	36.7	33.9	24.5
1.4404/1.4435	63.0	61.7	56.4	51.2	45.9	40.6	38.8	37.9	37.0	36.2	35.3	34.9	34.6					
1.4301/1.4308	63.0	58.2	51.2	44.1	41.5	38.8	36.0	35.1	34.2	33.3	32.5	31.8	31.0	30.7	28.7	27.9	25.2	19.8

PN100	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460/1.0619	100.0	93.6	88.8	84.0	76.8	69.6	64.8	62.4	60.0	51.9	36.8							
1.5415/1.5419	100.0	100.0	97.8	91.2	85.2	79.2	74.4	73.2	72.0	69.4	66.7	65.5	45.3	39.5	28.3			
1.7335	100.0	100.0	100.0	100.0	100.0	100.0	93.1	89.8	85.3	81.6	78.9	73.9	62.4	55.8	45.9	29.3		
1.4408	100.0	95.2	85.4	75.6	70.0	64.4	61.6	60.2	58.8	57.4	56.6	56.0	55.4	55.2	52.3	51.7	43.7	36.3
1.7715	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	98.8	95.1	91.4	78.8	66.1	50.3	35.4	24.4
1.7383	100.0	100.0	100.0	100.0	100.0	100.0	93.8	90.5	85.3	81.6	78.9	73.9	65.8	63.5	53.9	35.2	34.4	14.9
1.4541	100.0	92.4	86.8	81.2	77.0	72.8	70.0	68.6	67.2	65.8	64.4	63.0	61.6	60.5	56.0	53.3	52.0	45.9
1.4571	100.0	100.0	96.6	89.6	85.4	81.2	77.0	74.9	72.8	71.4	70.0	68.6	65.8	63.5	60.2	58.2	53.9	38.9
1.4404/1.4435	100.0	98.0	89.6	81.2	72.8	64.4	61.6	60.2	58.8	57.4	56.0	55.4	54.9					
1.4301/1.4308	100.0	92.4	81.2	70.0	65.8	61.6	57.1	55.7	54.3	52.9	51.5	50.4	49.3	48.7	45.6	44.3	40.0	31.5

The pressure/temperature ratings are established according to EN 12516-1:2014.  
For other materials available on request.

PN160	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460	160.0	149.8	142.1	134.5	122.9	111.4	103.7	99.9	96.0	83.1	58.9							
1.5415	160.0	160.0	156.6	146.0	136.4	126.8	119.1	117.2	115.3	111.0	106.8	104.9	72.6	63.2	45.2			
1.7335	160.0	160.0	160.0	160.0	160.0	160.0	149.1	143.7	136.6	130.7	126.2	118.2	99.9	89.3	73.4	47.0		
1.7715	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	159.0	158.0	152.1	146.3	126.0	105.7	80.5	56.6	39.1
1.7383	160.0	160.0	160.0	160.0	160.0	160.0	150.2	144.9	136.6	130.7	126.2	118.2	105.3	101.7	86.2	56.3	55.1	23.9
1.4541	160.0	147.9	138.9	130.0	123.3	116.5	112.1	109.8	107.6	105.3	103.1	100.8	98.6	96.8	89.6	85.4	83.2	73.4
1.4571	160.0	160.0	154.6	143.4	136.7	130.0	123.3	119.9	116.5	114.3	112.1	109.8	105.3	101.7	96.3	93.2	86.2	62.3
1.4404/1.4435	160.0	156.9	143.4	130.0	116.5	103.1	98.6	96.4	94.1	91.9	89.6	88.7	87.8					

PN250	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460	250.0	234.1	222.1	210.1	192.1	174.1	162.0	156.0	150.0	129.8	92.0							
1.5415	250.0	250.0	244.6	228.1	213.1	198.1	186.1	183.1	180.1	173.5	166.8	163.8	113.4	98.7	70.7			
1.7335	250.0	250.0	250.0	250.0	250.0	250.0	232.9	224.5	213.4	204.1	197.2	184.7	156.0	139.5	114.7	73.4		
1.7715	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	248.4	246.9	237.7	228.6	196.9	165.2	125.8	88.5	61.1
1.7383	250.0	250.0	250.0	250.0	250.0	250.0	234.7	226.3	213.4	204.1	197.2	184.7	164.5	158.9	134.7	88.0	86.0	37.3
1.4541	250.0	231.1	217.1	203.1	192.6	182.1	175.1	171.6	168.0	164.5	161.0	157.5	154.0	151.2	140.0	133.4	130.0	114.7
1.4571	250.0	250.0	241.6	224.1	213.6	203.1	192.6	187.3	182.1	178.6	175.1	171.6	164.5	158.9	150.4	145.6	134.7	97.4
1.4404/1.4435	250.0	245.1	224.1	203.1	182.1	161.0	154.0	150.5	147.0	143.5	140.0	138.6	137.2					

PN320	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460	320.0	299.7	284.3	268.9	245.9	222.8	207.5	199.8	192.1	166.2	117.8							
1.5415	320.0	320.0	313.1	292.0	272.8	253.6	238.2	234.3	230.5	222.1	213.6	209.8	145.1	126.4	90.5			
1.7335	320.0	320.0	320.0	320.0	320.0	320.0	298.1	287.4	273.2	261.3	252.5	236.5	199.8	178.6	146.8	93.9		
1.7715	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	318.0	316.0	304.3	292.6	252.0	211.5	161.1	113.2	78.2
1.7383	320.0	320.0	320.0	320.0	320.0	320.0	300.4	289.7	273.2	261.3	252.5	236.5	210.7	203.4	172.5	112.7	110.1	47.8
1.4541	320.0	295.8	277.9	260.0	246.5	233.1	224.1	219.6	215.1	210.7	206.2	201.7	197.2	193.6	179.3	170.7	166.5	146.8
1.4571	320.0	320.0	309.3	286.8	273.4	260.0	246.5	239.8	233.1	228.6	224.1	219.6	210.7	203.4	192.6	186.4	172.5	124.6
1.4404/1.4435	320.0	313.7	286.8	260.0	233.1	206.2	197.2	192.7	188.2	183.8	179.3	177.5	175.7					

PN400	Maximal allowable working pressure (bar) at temperature (°C)																	
Material	-10	100	150	200	250	300	350	375	400	425	450	475	500	510	525	550	575	600
1.0460	400.0	374.5	355.3	336.1	307.3	278.5	259.3	249.7	240.1	207.7	147.3							
1.5415	400.0	400.0	391.3	364.9	340.9	316.9	297.7	292.9	288.1	277.5	267.0	262.2	181.4	157.9	113.1			
1.7335	400.0	400.0	400.0	400.0	400.0	400.0	372.6	359.2	341.4	326.6	315.6	295.5	249.7	223.2	183.5	117.4		
1.7715	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	397.5	395.0	380.4	365.7	315.0	264.3	201.3	141.5	97.7
1.7383	400.0	400.0	400.0	400.0	400.0	400.0	375.5	362.1	341.4	326.6	315.6	295.5	263.3	254.3	215.5	140.9	137.6	59.8
1.4541	400.0	369.7	347.3	324.9	308.1	291.3	280.1	274.5	268.9	263.3	257.7	252.1	246.5	242.0	224.1	213.4	208.1	183.5
1.4571	400.0	400.0	386.5	358.5	341.7	324.9	308.1	299.7	291.3	285.7	280.1	274.5	263.3	254.3	240.7	232.9	215.5	155.8
1.4404/1.4435	400.0	392.1	358.5	324.9	291.3	257.7	246.5	240.9	235.3	229.7	224.1	221.8	219.6					