

Pressure rates of Primus Line®

October 2011

Pressure range	Primus Line® flexible pressure pipe	Maximum working pressure *			Short time burst pressure	
		Gas	Oil	Water		
low pressure	Primus Line® DN 150 / 5,2 inch Suitable for installation into a DN 150 / 6 inch – pipe	---	---	406 psi (28 bar)	> 85 bar	> 1233 psi
medium pressure	Primus Line® DN 150 / 5,2 inch Suitable for installation into a DN 150 / 6 inch – pipe	493 psi (34 bar)	493 psi (34 bar)	798 psi (55 bar)	> 138 bar	> 2001 psi
low pressure	Primus Line® DN 200 / 7,2 inch Suitable for installation into a DN 200 / 8 inch – pipe	---	---	290 psi (20 bar)	> 60 bar	> 870 psi
medium pressure	Primus Line® DN 200 / 7,2 inch Suitable for installation into a DN 200 / 8 inch – pipe	363 psi (25 bar)	363 psi (25 bar)	566 psi (39 bar)	> 98 bar	> 1421 psi
high pressure	Primus Line® DN 200 / 7,2 inch Suitable for installation into a DN 200 / 8 inch – pipe	566 psi (39 bar)	566 psi (39 bar)	899 psi (62 bar)	> 156 bar	> 2248 psi
low pressure	Primus Line® DN 250 / 9,3 inch Suitable for installation into a DN 250 / 10 inch – pipe	---	---	218 psi (15 bar)	> 45 bar	> 653 psi
medium pressure	Primus Line® DN 250 / 9,3 inch Suitable for installation into a DN 250 / 10 inch – pipe	276 psi (19 bar)	276 psi (19 bar)	435 psi (30 bar)	> 76 bar	> 1102 psi
high pressure	Primus Line® DN 250 / 9,3 inch Suitable for installation into a DN 250 / 10 inch – pipe	551 psi (38 bar)	551 psi (38 bar)	870 psi (60 bar)	> 150 bar	> 2175 psi
low pressure	Primus Line® DN 300 / 11,1 inch Suitable for installation into a DN 300 / 12 inch – pipe	---	---	174 psi (12 bar)	> 38 bar	> 551 psi
medium pressure	Primus Line® DN 300 / 11,1 inch Suitable for installation into a DN 300 / 12 inch – pipe	232 psi (16 bar)	232 psi (16 bar)	377 psi (26 bar)	> 64 bar	> 928 psi
high pressure	Primus Line® DN 300 / 11,1 inch Suitable for installation into a DN 300 / 12 inch – pipe	450 psi (31 bar)	450 psi (31 bar)	725 psi (50 bar)	> 124 bar	> 1798 psi
medium pressure	Primus Line® DN 400 / 13,9 inch Suitable for installation into a DN 400 / 16 inch – pipe	174 psi (12 bar)	174 psi (12 bar)	290 psi (20 bar)	> 50 bar	> 725 psi
high pressure	Primus Line® DN 400 / 13,9 inch Suitable for installation into a DN 400 / 16 inch – pipe	363 psi (25 bar)	363 psi (25 bar)	580 psi (40 bar)	> 100 bar	> 1450 psi
medium pressure	Primus Line® DN 500 / 18,1 inch Suitable for installation into a DN 500 / 20 inch – pipe	145 psi (10 bar)	145 psi (10 bar)	218 psi (15 bar)	> 38 bar	> 551 psi

* The indicated maximum working pressure is valid for a straight course of the pipe without bends. Maximum working pressure according to declaration of technical department of Rädlinger primus line GmbH.