

7.5 Maximum allowed operating torques

DN-size ¹⁾		Torque ²⁾ [Nm]				Max. pressure class ³⁾
Reduced bore	Full bore					
DN 65	DN 50	60	63	68	75	PN 25
DN 80	DN 65	80	85	98	110	
DN 100	DN 80	110	125	150	250	
DN 125	DN 100	150	200	270	390	
DN 150	DN 125	280	350	520	750	
DN 200	DN 150	300	600	900	1200	
DN 250	DN 200	800	1300	1900	2500	
DN 300	DN 250	2000	2500	3000	4000	
DN 350	DN 300	1000	2200	2800	4000	
DN 400	DN 350	1500	3000	4500	6500	
DN 500	DN 400	2000	6000	9000	12000	
		0	10	16	25	
Pressure difference ⁴⁾ [bar]						

1) DN-size of the valve

2) Max. torque needed to open/close the valve

3) Max. pressure class of the valve available

4) Pressure difference across the valve Δp :

where

$$p = p_1 - p_2,$$

p_1 = pressure before the valve

p_2 = pressure after the valve