

SEAMLESS STEEL CYLINDERS Ø 273

up to 90 Lt.

working pressure 300 bar



Seamless Steel Refillable Cylinders for compressed and mixed gases COMPLYING WITH 99/36/CE DIRECTIVE (T-PED)							
REFERENCE TECHNICAL STANDARD:				EN 1964-1:1999			
Water capacity [l.]	(-0) (+5%)	40	50	60	70	80	90
Nominal weight [kg.]		58	71	84	97	110	123
Length l [mm.] (±20)		900	1100	1300	1500	1700	1900
Material:		SEAMLESS STEEL TUBE		34CrMo4		(EN 10083-1)	
MANUFACTURING DETAILS							
MANUFACTURING PROCESS: HOT SPINNING OF SEAMLESS STEEL TUBE							
HEAT TREATMENT: QUENCHING AND TEMPERING							
MECHANICAL PROPERTIES (min.)							
R _m [Mpa]	R _e [Mpa]	A ₅ [%]		KV IMPACT TEST AT -50 °C [J/cm ²]			
900	800	14		average on 3 specimens		single value	
HRC= 27 + 34				40		32	
DESIGN DATA							
NECK THREAD (Alternative thread to customer's requirement)	Inl. thread	Ext. thread		Ø _e	Ø _i	h	
	25E EN 629-1	-		40	-	≈ 25	
	1" / 11.5 NGT	-		46	-	≈ 35	
	-	2,5" / 12UN-2A		-	48.8	≈ 60	
MINIMUM EFFECTIVE THICKNESS for the cylindrical wall, net of tolerance:							9.5 mm
Working pressure: up to 300 bar			Test pressure = up to 450 bar			Burst pressure: ≥ 720 bar	
Working temperature: min. -50 °C; max +50 °C							
Hydrogen, Carbon Monoxide and gases incompatible and/or corroding cylinder steel are excluded							

