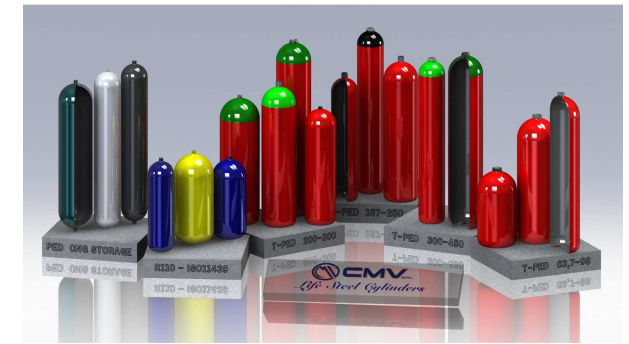


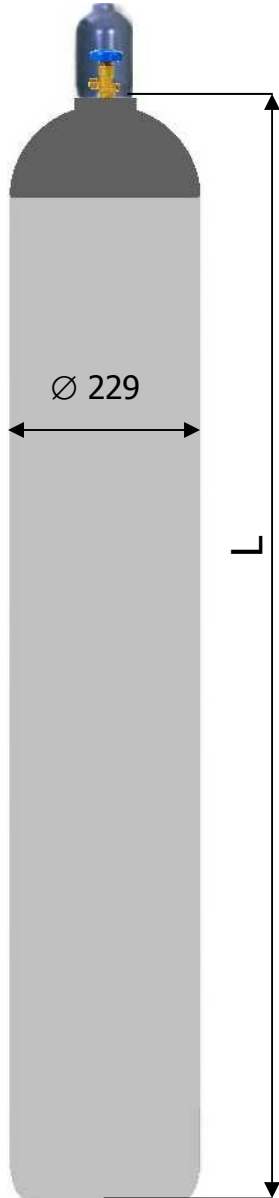
SEAMLESS STEEL CYLINDER

Ø 229 WP200 bar – TP300 bar









COMPLYING WITH 99/36/EC DIRECTIVE (T-PED)



ONLY FOR COMMERCIAL USE



REFERENCE TECHNICAL STANDARD:		EN 1964-1: 1999				
Water capacity [l] ^{-0/+5%}	20	30	40	50	60	70
Nominal weight [Kg]	24	31	39	47	55	63
Length L [mm] ±20	620	885	1155	1420	1690	1955
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]			
1000	860	14	average on 3 specimens		single value	
HB= 290 ÷ 320			35		28	
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 tolerances: 4,7 mm						
Working Pressure: up to 200 bar		Test Pressure: up to 300 bar		Burst Pressure: ≥ 480 bar		
Working temperature: -50°C +65°C						
Filling ratio for liquefied gases: depending from type of gas Hydrogen, Carbon Monoxide and gases incompatible and/or corroding cylinder steel are excluded						

Colour classification by hazard property:		
	Bright green	Inert
	Red	Flammable
Colour classification by specific gas:		
	Maroon	Acetylene
	White	Oxygen
	Dark green	Argon
	Black	Nitrogen
	Grey	Carbon Dioxide
	Brown	Helium