



Type 4 cylinders

Distribution systems



Rev. 08/2023





Type 4 cylinders Distribution systems

Pressure level	Pressure	Size	H ₂ capacity at 15 °C	Water volume	Total weight (Tare weight + H ₂ capacity)	Container dimensions	Number of sections (According to ADR 6.8)
bar	bar	ft	kg	L	kg	mm	
300	WP ⁽¹⁾ (15 °C): 300 bar MAWP ⁽²⁾ (65 °C): 354 bar PBmin ⁽³⁾ : 750 bar	10	178	8,400	4,250	3,048 x 2,432 x 2,743	2
		20	401	18,900	8,000	6,058 x 2,432 x 2,743	4
		30	624	29,400	13,000	9,087 x 2,432 x 2,743	6
		40	847	39,900	17,250	12,116 x 2,432 x 2,743	9
		45	958	45,150	19,500	13,720 x 2,432 x 2,743	10
380	WP ⁽¹⁾ (15 °C): 380 bar MAWP ⁽²⁾ (65 °C): 450 bar PBmin ⁽³⁾ : 900 bar	10	217	8,400	5,000	3,048 x 2,432 x 2,743	2
		20	487	18,900	9,250	6,058 x 2,432 x 2,743	4
		30	758	29,400	15,000	9,087 x 2,432 x 2,743	6
		40	1,029	39,900	20,000	12,116 x 2,432 x 2,743	9
		45	1,164	45,150	22,500	13,720 x 2,432 x 2,743	10
500	WP ⁽¹⁾ (15 °C): 500 bar MAWP ⁽²⁾ (65 °C): 590 bar PBmin ⁽³⁾ : 1500 bar	10	234	7,370	6,750	3,048 x 2,550 x 2,743	2
		20	521	16,415	13,500	6,058 x 2,550 x 2,743	4
		30	819	25,795	21,000	9,087 x 2,550 x 2,743	6
		40	1,106	34,840	26,750	12,116 x 2,550 x 2,743	8
		45	1,244	39,195	32,000	13,720 x 2,550 x 2,743	9

⁽¹⁾ Working pressure | ⁽²⁾ Maximum allowable working pressure | ⁽³⁾ Minimum burst pressure

Specifications:

Cylinder type: Type 4
Cylinder design: Full carbon
Service lifetime: Unlimited
Inspection standards: ISO 11623
Container type: MEGC
Piping: Stainless steel

Approvals:

Cylinders: Tested according to EN 12245 / 17339 and approved according TPED (2010/35/EU)
System: ADR approved and leak tested according to DIN EN 1779 (RID, ADN, IMDG on demand)
Container: Container according to CSC