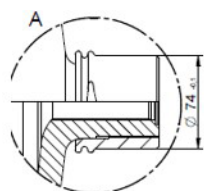


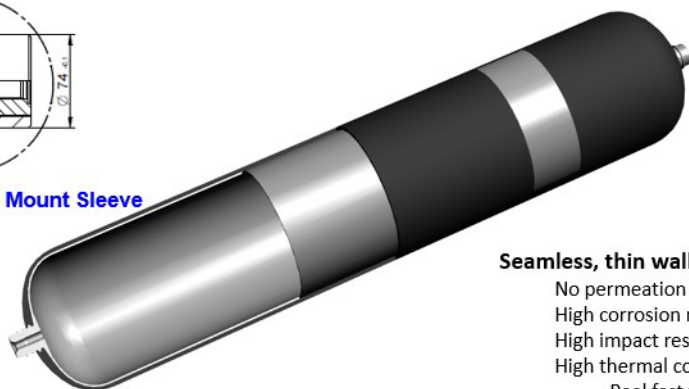
Alu Composite Cylinders

Design Spec.:

- Cylinders are coated to withstand a submerged environment and is O2 cleaned, come in oxygen service and all components are oxygen compatible with enriched air up to 100% Oxygen
- Mounted with cylinder opening in both ends, one for valve and one with end plug / for easy access to the yearling inspection.
- Cylinders are certified after EN 12-245 and comes with certificate
- Life time is 20 years from date of production
- Working pressure 200 bar / Test pressure 300 bar / Min burst pressure 600 bar



Option: **Neck Mount Sleeve**

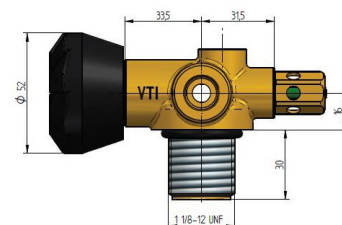


carbon composite shell

Light weight, high strength
Corrosion resistant
Proven in Aerospace & Aviation applications
Extremely high fatigue life
No loss of strength over product lifetime

Seamless, thin walled aluminum liner

No permeation
High corrosion resistance
High impact resistance
High thermal conductivity
Real fast fill capabilities
Better heat flux in case of a fire
Proven "leak before break" behavior
Millions of Type III cylinders in service
Al Alloy standardized in ISO and CEN



Cylinder valve:

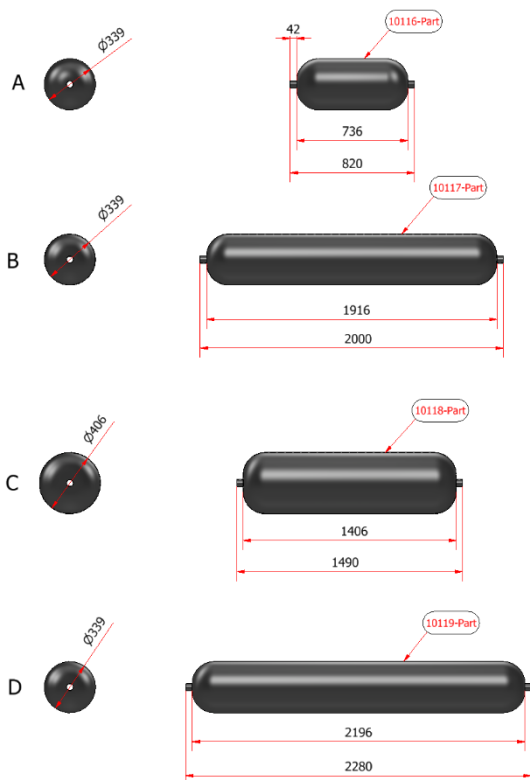
2 outlets for

10mm pipe connection

➤ Safe Air Alu Composite cylinders come in 4 size as below:

- 158 Liter / Working pressure 200 bar / filling pressure 250 Bar
Dir 331 mm / full length without valve 2280 mm / Empty weight 57 kg.
- 150 Liter / Working pressure 250 bar / filling pressure 312,5 Bar
Dir 406 mm / full length without valve 1550 mm / Empty weight 52 kg
- 136 Liter / Working pressure 200 bar / filling pressure 250 Bar
Dir 331 mm / full length without valve 2000 mm / Empty weight 51 kg
- 49 Liter / Working pressure 200 bar / filling pressure 250 Bar
Dir 331 mm / Full length without valve 820 mm / Empty weight 20.5 kg.
- According to conducted by our engineers tests, there should be no speed limit when it comes to filling of cylinders TYPE 3. It should be able to fill in the cylinder with Air within 4 minutes.
Care shall be taken if it is enriched air above 25% oxygen.

Alu Composite Cylinders



STYKLISTE / BOM					
Pos	Antal	Part Nr.	Materiale	Beskrivelse	Vægt
1	1	10116-Part	Alu Composit	SAD Alu Composit cylinder 49 L	339 x 339 x 820 20,500 kg

STYKLISTE / BOM					
Pos	Antal	Part Nr.	Materiale	Beskrivelse	Vægt
1	1	10117-Part	Alu Composit	SAD Alu Composit cylinder 136 L	339 x 339 x 2000 51,000 kg

STYKLISTE / BOM					
Pos	Antal	Part Nr.	Materiale	Beskrivelse	Vægt
1	1	10118-Part	Alu Composit	SAD Alu Composit cylinder 150 L	406 x 406 x 1490 52,000 kg

STYKLISTE / BOM					
Pos	Antal	Part Nr.	Materiale	Beskrivelse	Vægt
1	1	10119-Part	Alu Composit	SAD Alu Composit cylinder 158 L	339 x 339 x 2280 57,000 kg

REVISION		
REV.	TEKST	DATO
B	Alle ændret med +8mm i diameter (tolerance)	20-02-2025
C	Længde på alle - reduceret 84mm	21-02-2025
D	Flaske C ændret fra $\varnothing 414$ - $\varnothing 406$ & L fra 1550 - 1490	29-04-2025

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safe air		SAD Alu Composit cylinder 136 L		Rev. Nr. D	
SAD Alu Composit cylinder 136 L		Vægt: 51,0 kg		Ydre dimensioner: 339 x 339 x 2000	
Volumen: 4,1 m ³		Materiale: A3 PS		Antal: 1	
Scale: 1:20		Dato: 22-06-2021		Excc:	
10117-Part		Side 1 af 1			

Alu Composite Cylinders

