



Customer
TecNautic Nv
Colmanstraat 46
9270 Kalken
BELGIUM

Order No.
Order Date
Customers Order No
Date

Y41239/10
2024-4-17
2400110
Kienberg, 2024-07-30

Regulation: Directive 2014/68/EU
Notified Body: Bureau Veritas Services SAS (Tour ALTO), 4 place des saisons, 92400 COURBEVOIE FRANCE (No 0062)
Applicable Standard: PED+EN12257 (2002)
Description: Hoop-wrapped composite cylinder with seamless steel liner

Steel Cylinders (pcs)	100	Nominal water capacity (l)	6,8
Type	R-E5/HPC	Nominal outside diameter (mm)	139
Material	R-VCL-T	Min. base thickness (mm)	3,7
Heat treatment (°C)	860 / 525	Min. wall thickness (mm)	2,1
Drawing-No	HPC04100REV1	Approx. length without cap (mm)	593 +3/-3
Neck thread	M25x2 EN144-1:2000 Innen	Test Pressure (bar)	450
Base	KONVEX-FLACHBODEN	Working Pressure (bar)	300
Neckring	Without	Filling Weight (kg)	N.A.
Hardness Range (HB)	360 +10/-10	Stampmarking	CPY41239/10
approval number	CE-0062-PED-B31-WCA003-21-AUT-REV.0	Gas Service	BREATHING GAS
Year of manufacturing	2024	Service Life Time	non-limited-life
First and last manufacturer number of the batch:	1Y0957-1Y1056	First and last owner number of the batch:	
		Certificate No.	CE-0062-PED-F-WCA090-24-AUT

Material

Steel as per the attached steel inspection report.

Heat treatment

The above mentioned steel cylinders have been austenitised and quenched in synthetic oil/water emulsion, and subsequently tempered with the temperature mentioned above for a period of approx. 25 minutes.

Hardness range

All cylinders have been Brinell hardness tested and found within the tolerance mentioned above.

Stampmarking

Top end: see attached stampmarking drawing (details not indicated on the stampmarking drawing, can be traced from the enclosed collective lists). Base end: Heat identification mark.

Cylinder thread

Each cylinder thread has been gauged with the respective thread gauges and visually inspected and found to be satisfactory.

Hydraulic test

Each cylinder has been hydraulically pressure tested at test pressure and no leakage, permanent deformation or crack has been observed.

Ultrasonic test

Each cylinder has been ultrasonically examined on the parallel walls to a 5% standard and found to be satisfactory. All cylinders so tested were marked with the stamp "UT" after the manufacturers serial number. The personnel conducting the ultrasonic test is qualified to ISO9712.

Inspection Report

As per attached Test sheet(s), the undersigned hereby certify that the cylinders as described above have been manufactured, inspected and tested in compliance with the above regulations and found to be satisfactory.

On behalf of the Manufacturer

For and on behalf of the Independent Inspecting Authority

Worthington Cylinders GmbH
Beim Flaschenwerk 1
A-3291 Kienberg b. Gaming - AUSTRIA

The Inspector

