



## GREEN MOBILITY SOLUTIONS

### HYDROCONTEST

Automatic workbench for **in line hydrostatic testing** up to 1100 bar for pressure vessels Type from 1 to 4 used in industrial and automotive sectors (regulation R134 and EC n° 79/2009). This workbench measures the elastic and residual strain of the tank with Water Jacket and Direct Expansion methods. Thanks to the patented system of quick connection with high pressure line, it can be installed in a production line or stand alone with an operator.



#### SAFETY

Workbench designed to respect every safety requirement set out by Machinery Directive 2006/42/CE.



#### WORLD CLASS COMPONENTS

Our machines carry only high-quality components from renowned brands, easily available internationally, to ensure safety and reliability.



#### CUSTOMIZABLE

The workbench can be customized according to production and customer needs and bench's automation level can be increased up to 100%.



#### ENERGY EFFICIENCY

Machine designing complies with ISO50001 thus enabling energy consumption reduction and exhaust materials disposal.



#### MULTI-PURPOSE MEASUREMENT

All types (type 1, 2, 3, 4) and sizes of tanks can be tested by customizing the Water Jacket.



#### QUALITY ABOVE ALL

Our machine quality is based on two pillars: lean designing (no unuseful sophistication) and workability oversizing (to ensure sturdiness and durability over time).



#### USER FRIENDLY

Touch screen control panel to set testing parameters (testing pressure, testing time and admissible strains), or to create, store, and download recipes and production data.



#### I 4.0 READY

Machine designing complies with I 4.0 standards, therefore it is certifiable. All main diagnostic and production parameters can be monitored remotely through client's IOT platform.



#### COST EFFECTIVENESS

The best deal in terms of quality/price and performance ratio is achieved by vertical integration, commercial philosophy, energy saving and machine's long service life.

DESCRIPTION	U/M	DATA		
Power supply	V	400 V ± 10% 50-60Hz		
Test pressure - max	Bar	1100		
Liquid test	-	100% water		
Test time	Sec.	30		
Test method 1		Water jacket method		
Test method 2		Direct expansion method		
Test method 1 + 2		Available		
Maximum expansion	%	± 10		
Filling rate low pressure	Lt/min	30-40		
Vessel size as per customer's specification		Most popular sizing		
		Length (mm) from 850 to 2100	Diameter (mm) from 350 to 450	Volume (liters) from 50 to 240

DO YOU NEED MORE INFORMATION?



## Why choose AUMATECH ?

- over 10 years' experience, 50 machines installed worldwide;
- over 10 years' experience in manufacturing technology for Composite Pressure Vessels;
- passionate team of technicians, a blend of new technologies and expertise;
- OEM - level diligence;
- high grade of customization, tailor-made solutions;
- workability oversizing policy, to ensure sturdiness and durability;
- a fair balance between price, quality and performance;
- proprietary solutions for thermographic inspection and process traceability;
- our corporate philosophy: We Raise Your Business!

