

Manual test bench for performing tests on full-face masks, lung-governed demand valves and SCBAs

Dynamic tests can be carried out by means of an artificial lung.



Operated entirely without a computer, Multicheck M is designed specifically for use in settings where, for some reason or other, equipment cannot be tested in a computer-assisted manner.

Multicheck M is suitable for tests at high pressure, medium pressure and low pressure. It allows you to carry out all of the static and dynamic tests that need to be performed on full-face masks, lung-governed demand valves (LGDV) and SCBAs.

The design of Multicheck M and the arrangement and quality of its pressure gauges and controls make for utmost user-friendliness and a quality of testing that is truly outstanding, especially considering the test bench's purely mechanical working principle.

Possible tests

- ❖ full-face masks – leak test
- ❖ full-face masks – exhalation-valve opening pressure
- ❖ lung-governed demand valves – leak test
- ❖ lung-governed demand valves – opening pressure
- ❖ lung-governed demand valves – closing pressure
- ❖ dynamic tests by means of an artificial lung
 - breathing tests at 40 x 2.5 l/min
 - breathing tests at 25 x 2 l/min
- ❖ SCBAs – static medium pressure
- ❖ SCBAs – dynamic medium pressure (during breathing tests)
- ❖ SCBAs – high-pressure leak tests
- ❖ SCBAs – accuracy of pressure-gauge readings
- ❖ SCBAs – activation pressure of the low-air alarm

The following tests require optional accessories:

- ❖ chemical protective suits – leak test
- ❖ chemical protective suits – leak test of the suit valves

Optional extras and upgrades

- ❖ manual medium-pressure adjustment (up to 15 bar)
- ❖ medium-pressure gauge (0 – 25 bar)
- ❖ accessories for testing two-point helmet masks
- ❖ accessories for testing chemical protective suits

Multicheck M does not have a high-pressure regulator. The high pressure needed for equipment testing is fed to the test bench from a compressed-air cylinder via a T-piece.

With a view to reducing dead space and maximizing accuracy, lung-governed demand valves are connected to a dedicated round-thread equipment port for static tests rather than to a mask. Thanks to a broad range of optional adapters (see accessories), it is also possible to test a wide variety of LGDVs with other connector types from diverse manufacturers.

Dynamic breathing tests are carried out by means of an artificial lung that can operate at 40 x 2.5 l/min and 25 x 2 l/min.

Scope of delivery

- ❖ Multicheck M
- ❖ medium-pressure testing hose
- ❖ high-pressure testing hose
- ❖ high-pressure T-piece
- ❖ round-thread sealing plug
- ❖ sealing plug for the medium-pressure hose
- ❖ timer
- ❖ silicone spray
- ❖ protective hood for the dummy head
- ❖ power cord
- ❖ operator's manual

Specifications

- ❖ dimensions (w x d x h)..... 750 x 550 x 290 mm (excl. dummy head)
- ❖ weight..... approx. 33 kg
- ❖ power supply 230 V, 50 Hz
- ❖ power consumption 450 W
- ❖ low-pressure gauge..... ±20 mbar
 ø 160 mm, cl. 1.6
- ❖ medium-pressure gauge 0 – 16 bar
 ø 100 mm, cl. 1.0
- ❖ high-pressure gauge 0 – 400 bar
 ø 100 mm, cl. 0.6
- ❖ equipment port round thread (EN 148-1)
- ❖ medium-pressure port Euro coupling
- ❖ high-pressure port DIN 477

Please note: Optional accessories are sold separately.

Errors and omissions excepted! Technical specifications subject to change without notice!



Accessories and other products

Mask sealing adapters



MSA plug-in connector	330-015
MSA AutoMaXX	330-150
Threaded connector M45x3	330-016
Dräger plug-in connector	330-017
Interspiro plug-in connector	330-018
Interspiro Click	330-131
Interspiro Inspire	330-494
Plug-in connector ESA	330-187
Round-thread connector	330-010

LGDV testing adapters



MSA plug-in connector	330-011
MSA AutoMaXX	330-149
Threaded connector M 45x3	330-012
Dräger plug-in connector	330-013
Interspiro plug-in connector	330-014
Interspiro Click	330-162
Interspiro Inspire	330-498
Plug-in connector ESA	330-175

Kits for testing chemical protective suits

Filling hose and testing hose for performing leak tests on chemical protective suits. Valve tester, complete with an expansion tank, for leak testing the exhalation valves.

for MSA suits	330-583
for Dräger suits	330-584
for Interspiro suits	330-585

External high-pressure ports



The high-pressure ports can be installed next to the test bench and make it possible to test self-contained breathing apparatuses (SCBA) in a hanging position, which comes in particularly handy when space is a premium and SCBAs cannot be tested in a lying position. Switching between 200 bar and 300 bar is easy thanks to two shut-off valves. The 200-bar port is equipped with a 240-bar safety valve.

External quick-connect high-pressure port







The external quick-connect high-pressure port is designed for installation next to the test bench. Its high-pressure quick-connect mechanism makes it easy to connect and test SCBAs in a hanging position.

200 bar
330-209

300 bar
330-208

Accessories for testing two-point helmet masks with test benches that have **NO** mask tightener

	Angle piece for helmet-mask holder (stainless steel, mounted on test bench)	220-338
	Two-point helmet mask holder Suitable for MSA and Dräger – Gallet system	330-126
	Docking adapters for two-point helmet masks (MSA – Avon/Schuberth)	330-127
	Docking adapters for two-point helmet masks (Interspiro – Heros)	330-128

Under-unit cabinet for test bench



Stylish under-unit cabinet made of aluminium. It allows the test bench to be positioned at a comfortable working height and provides ample space for accessories.

330-692

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