

α alphaCLICK

[Rapid cylinder exchange coupling for breathing apparatus]

New

**MSA
PATENT**

Faster & Safer – alphaCLICK

MSA



With the new, patented *alphaCLICK* coupling, you can say goodbye to cumbersome threading. Simply click the cylinder onto the pressure reducer of the Self-Contained Breathing Apparatus [SCBA] and you're done. The *alphaCLICK* lets you change cylinders up to ten times the speed of threading while improving on safety. *alphaCLICK* is yet another of the revolutionary patented technologies from the amazing MSA *alpha* series.

[Features]

- lets you change cylinders at ten times the speed of threading
- fits on all 200 bar or 300 bar standard threaded cylinder valves
- safety release: a two-step disconnection sequence
- flow restrictor avoids uncontrolled air flow
- fits on all AirMaXX and BD 96 SCBAs



[Safety Advantages]

Several systems are in place to ensure absolute safety and reliability. In fact, the *alphaCLICK* offers some safety advantages over threaded connections.

First of all, the *alphaCLICK* adapter can only be disconnected when there is no pressure.

Then it requires a two-step disconnection sequence. A release ring must first be turned by 20 degrees before the cylinder can be disengaged by simply pushing the ring back.

An especially valuable safety feature of the *alphaCLICK* is the flow restrictor which automatically engages when the cylinder is not connected. Should the cylinder valve accidentally be turned, the restricted air flow prevents the cylinder from becoming dangerously out of control.

The *alphaCLICK* also has a built-in dirt guard, which keeps air clean and ensures smooth functioning.



The alphaCLICK adapter fits on all standard threaded cylinders

[Economic]

But the best part of the *alphaCLICK* is that it fits on all 200 bar or 300 bar standard threaded cylinders [EN 144-2], protecting your legacy investment. *alpha* is always a first when it comes to cost efficiency.

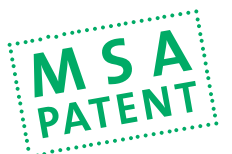


[Tests & Approvals]

alphaCLICK has been certified according to the pressure equipment directive, PED, by Federal Institute of Material Science [BAM], Germany. Moreover it is CE approved in combination with pneumatics as part of the AirMaXX and BD 96 SCBAs according to EN 137.

In addition extensive laboratory and field tests have been successfully conducted which included:

- >10,000 coupling operations
- pressure of more than 600 bar
- corrosion tests [climate chamber]
- operation at -40 °C
- drop and tumble tests
- tensile strain of 2,000 N



The shear and bending strain resistance is tested by a special machine with forces up to 2,000 N



[Filling Panels]

Existing MSA filling panels can be retrofitted with *alphaCLICK* couplings. Sets for 200 bar or 300 bar contain coupling, blind plug, bushings and seals. Complete filling panels for compressors with *alphaCLICK* connectors in various versions are available on request.

[Test Gauge]

The *alphaCLICK* test gauge makes checking cylinder pressure in your storage a matter of seconds.



The test gauge provides fast pressure checking

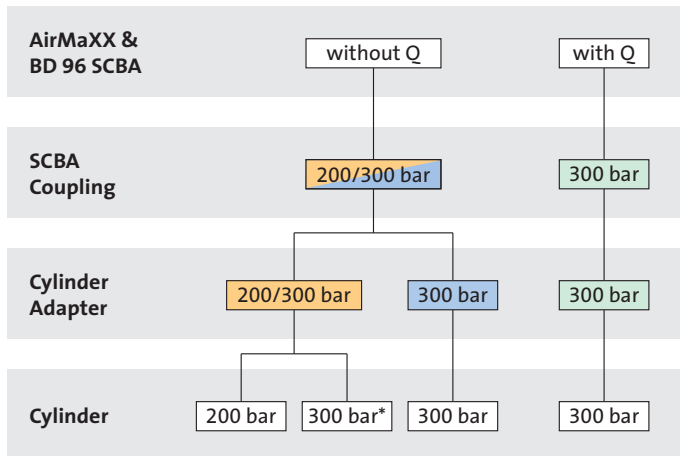
The alphaCLICK rapid cylinder exchange adapter is especially appreciated on the filling panel in the workshop



[Combination Options]

alphaCLICK is available in two versions for use with 200 bar and 300 bar cylinders, on both, MSA SCBAs and filling panels.

The following diagram shows the possible combinations. The coupling set “200/300 bar” can be combined with 200 bar or 300 bar cylinders. The coupling set “300 bar” is recommended for 300 bar units, but can also be used with 200 bar cylinders [with the matching cylinder adapter]. The coupling set “300 bar-Q” must be used if the SCBA features a QuickFill [Q] connection.



Q = QuickFill connection

* = In this configuration the cylinder can't be connected to 300 bar filling panels

[Ordering Information]

Upgrade Set: SL pneumatics & alphaCLICK 300 bar

In case you want to upgrade your AirMaXX or BD 96 SCBA also with the new SingleLine [SL] pneumatics and alphaCLICK:

10076302 alpha SL-CLICK upgrade set
[incl. alphaCLICK coupling set 300 bar, pressure reducer, manifold & SingleLine in exchange for your old SCBA pneumatics]

10076303 alpha SL-Q-CLICK upgrade set
[incl. alphaCLICK coupling set 300 bar-Q, pressure reducer with Quick-Fill, manifold and SingleLine in exchange for your old SCBA pneumatics]

Upgrade Set: alphaCLICK 200/300 bar

In case you want to upgrade your existing MSA pneumatics with alphaCLICK:

10075277 alphaCLICK coupling set 200/300 bar
[incl. 200/300 bar SCBA coupling and 200/300 bar cylinder adapter, to retrofit to existing AirMaXX or BD 96, not for QuickFill connection].
This set is recommended for 200 bar units only!

10075278 alphaCLICK cylinder adapter 200/300 bar [set of 5]

Upgrade Set: alphaCLICK 300 bar

In case you want to upgrade your existing MSA pneumatics with alphaCLICK:

10076096 alphaCLICK coupling set 300 bar
[incl. 200/300 bar SCBA coupling and 300 bar cylinder adapter, to retrofit to existing AirMaXX or BD 96, not for QuickFill connection]

10070157 alphaCLICK coupling set 300 bar-Q [incl. 300 bar SCBA coupling and 300 bar cylinder adapter, to retrofit to existing AirMaXX-Q or BD 96-Q]

10069802 alphaCLICK cylinder adapter 300 bar [set of 5]

Work shop solutions

10075231 Wrench 19 mm, necessary to mount alphaCLICK to the pressure reducer

10076093 alphaCLICK test gauge [up to 400 bar]

10075961 alphaCLICK couplings for filling panels 300 bar [set incl. coupling, blind plug, bushings for M 16 x 1.5 and G1/4 threads and seals]

10075800 alphaCLICK couplings for filling panels 200 bar [set incl. coupling, blind plug, bushings for M 16 x 1.5 and G1/4 threads and seals]

on request Filling panels with alphaCLICK

All AirMaXX SL and BD 96 SL SCBAs with integrated alphaCLICK are described in the respective leaflets.

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