

# Compressed Air Cylinders

## Completing Your Supplied Air Respiratory Protection



MSA steel and composite compressed air cylinders meet a wide range of applications, needs, and budgets. Composite cylinders with aluminium liner, over wrapped with carbon and glass fibres, are 50% lighter than the traditional economic steel construction. MSA offers cylinder versions with 200 and 300 bar service pressure and 2 to 9 litre capacity. Additional safety is provided by a full choice of valve options such as integrated gauge, ratchet hand wheel to prevent unintended closing and flow restrictor in case of valve breakage.

All cylinders are manufactured and CE marked in accordance with the requirements of the Pressure Equipment Directive 97/23 EC.

### Cylinder Valves

MSA compressed air cylinders are equipped with cylindrical thread M18 x 1.5. The valves are approved according to EN 144. They are made of ductile high-performance chromed brass which is resistant to impact load of up to 200 Joule and temperatures of up to -40 °C. Furthermore MSA offers valves E17con with conical thread as spare part for steel cylinders.

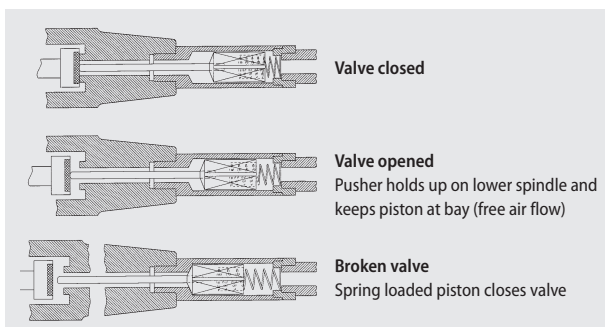
### Ratchet Hand Wheel

Cylinder valves with ratchet hand wheel, available as an option, avoid inadvertent valve closure which may occur in confined space environments. For closing the valve the hand wheel must be pulled and turned at the same time.



### Flow Restrictor

The optional available flow restrictor prevents uncontrolled flow in case of valve breakage. It is screwed into the valve instead of the protective tube or sintered filter. Once the valve is broken a spring loaded piston nearly seals it and the air can escape slowly. The flow restrictor offers additional safety but does not interfere with the performance when not activated which may be important for inflating a rescue cushion. It can be retrofitted at any time.



Functioning of Flow Restrictor

# Ordering Information

	Type	Colour		Options				Ø (mm)	Length* (mm)	Weight** (kg)	Part No.	
		yellow	blank	ratchet hand wheel	flow restrictor	gauge	30 years life time				empty	charged
Steel Cylinders	2 l/300 bar	x						100	450	3.7	D5103984	D5103964
	4 l/200 bar	x						114	586	5.8	D5103985	D5103965
	6 l/300 bar	x						140	590	9.9	D5103986	D5103967
	6 l/300 bar	x		x				140	590	9.9	-	10024010
	6 l/300 bar	x			x			140	590	9.9	10084896	10015960
	6 l/300 bar	x				x		140	590	10.0	10010967	-
	2 l/300 bar	x						101	464	2.6	D5103974	D5103969
	2 l/300 bar	x				x		101	464	2.8	10032180	-
	3 l/300 bar	x				x		114	523	3.5	10058821	10050853
	6 l/300 bar	x						156	550	6.6	D5103976	D5103947
Composite Cylinders	6 l/300 bar	x			x			156	550	6.6	-	10029767
	6 l/300 bar	x				x		156	550	6.8	10042070	10083486
	6.8 l/300 bar	x						157	605	7.3	D5103979	D5103962
	6.8 l/300 bar	x		x				157	605	7.3	D5103980	D5103973
	6.8 l/300 bar	x			x			157	605	7.3	10059153	10015961
	6.8 l/300 bar	x		x	x			157	605	7.3	-	10049967
	6.8 l/300 bar	x			x	x		157	605	7.8	-	10100485
	6.8 l/300 bar		x					157	598	7.0	10112739	-
	6.8 l/300 bar	x		x				157	598	7.0	10111447	-
	6.8 l/300 bar		x	x	x			157	598	7.0	10111448	-
	6.8 l/300 bar		x	x		x		157	598	7.1	10112738	-
	6.8 l/300 bar	x		x	x			157	598	7.0	10112740	-
	6.8 l/300 bar	x					x	163	605	7.4	10113769	10113768
	6.8 l/300 bar	x			x		x	163	605	7.4	10118597	10118596
	6.8 l/300 bar	x			x	x	x	163	605	7.5	10118598	10118599
	6.9 l/300 bar	x						156	602	6.7	10055168	10055167
	6.9 l/300 bar	x		x				156	602	6.7	10055170	10055169
	6.9 l/300 bar	x			x			156	602	6.7	10072888	10072889
	6.9 l/300 bar	x		x	x			156	602	6.7	-	10089911
	9 l/300 bar	x					x	178	630	9.8	10118149	10118151

\*incl. valve

\*\* charged and incl. valve



## Cylinder Valves

	Thread		Scope of Delivery						Part No.
	cylindrical (M18 x 1.5)	conical (E17con) for steel	ratchet hand wheel	flow restrictor	protective tube	sintered filter	gauge	bursting disc	
200 bar	x		x	(x)	x	(x)			D4071942
	x			(x)	x	(x)			D4071938
		x		x		x			D4071961
		x				x			D4071960
		x		x	(x)	x	(x)		D4073934
300 bar	x			(x)	x	(x)			D4073933
	x			(x)	x	(x)	x	x	10011010-SP
	x			x		x	x		10087483-SP
		x		x		x			D4073949
		x				x			D4073948

(x) optionally retrofittable (for part no. please see spare parts & accessories)

## Other Spare Parts & Accessories

Description	Part No.
Flow restrictor	D4071700
Sintered filter	D4073903-SP
T-piece for 2 x 4 l/200 bar steel cylinders	D4085817
T-piece for 2 x 6.8 l & 6.9 l/300 bar composite cylinders	D4075818
Cover for composite cylinder Ø 156 mm, black	D4075877
Cover for composite cylinder Ø 156 mm, yellow	D4075878
Cover for composite cylinder Ø 156 mm, Nomex®	10088680



Valve with Gauge

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