

MAKO

Modular Breathing Air Center

The new Modular Breathing Air System from MAKO delivers where lesser systems fail.

Designed to incorporate the latest elements of MAKO's impressive product range, the MBAC provides you with a flexible synergy of a Breathing Air Module and a Containment Fill Station.

Utilizing these technologically proven components, it is easier and safer to ship & install, easier to manoeuvre with less freight damage and easier to deliver as the individual elements allow for lift gate precision.

Due to its well thought through design, the MBAC in addition allows for installation in rooms with restrictive door openings and provides a future-proof equipment cornerstone as elements can be updated as and when required (compressor size, number of storage cylinders and number of fill positions).



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Fuse Flexibility
Modular Breathing Air Center

Modular BAC Specifications

The MAKO BAC includes: BAM (Breathing Air Module)

TECHNICAL DATA												
MODEL	MAX PRESSURE		STAGES	CHARGING RATE			COMPRESSOR rpm	DRIVE		WEIGHT		SOUND LEVEL dB[A]
	bar	PSI		m³/hr	l/min	cfm		kW	hp	kg	lb	
BAM04	350	5000	3	9.9	165	5.8	1300	4	5	461	1017	69
BAM05	350	5000	3	14.6	243	8.6	1300	5.5	7.5	471	1039	70
BAM06	350	5000	4	22.3	372	13.1	1340	7.5	10	526	1160	72
BAM07	350	5000	4	31.8	530	18.7	1800	11	15	541	1193	74
BAM08	350	5000	4	43	717	25.3	1530	15	20	576	1270	76
BAM09	350	5000	4	52	867	30.6	1800	18.5	25	592	1305	78
BAM06H	414	6000	4	23.8	397	14	1340	7.5	10	526	1160	72
BAM07H	414	6000	4	35.2	587	20.7	1800	11	15	541	1193	74
BAM08H	414	6000	4	45.9	765	27	1530	15	20	576	1270	76
BAM09H	414	6000	4	56.4	940	33.2	1800	18.5	25	592	1305	78

NOTES:

- All technical details are subject to change.
- Performance figures are typical and are not the full range available.
- Figures based on inlet conditions of 20°C/68°F, 1,013 Bar/14.7 PSL.
- Charge rates measured in accordance with Compair Ipswich standard No.27 Type 'A'.
- Electric motors are available in 50 & 60 Hz. Single and 3 Phase versions and with multiple voltage options.
- Tested and certified to equivalent of UL 1450 Standards. Conforms to all applicable CE directives.
- Sound pressure level at 1m/3ft.

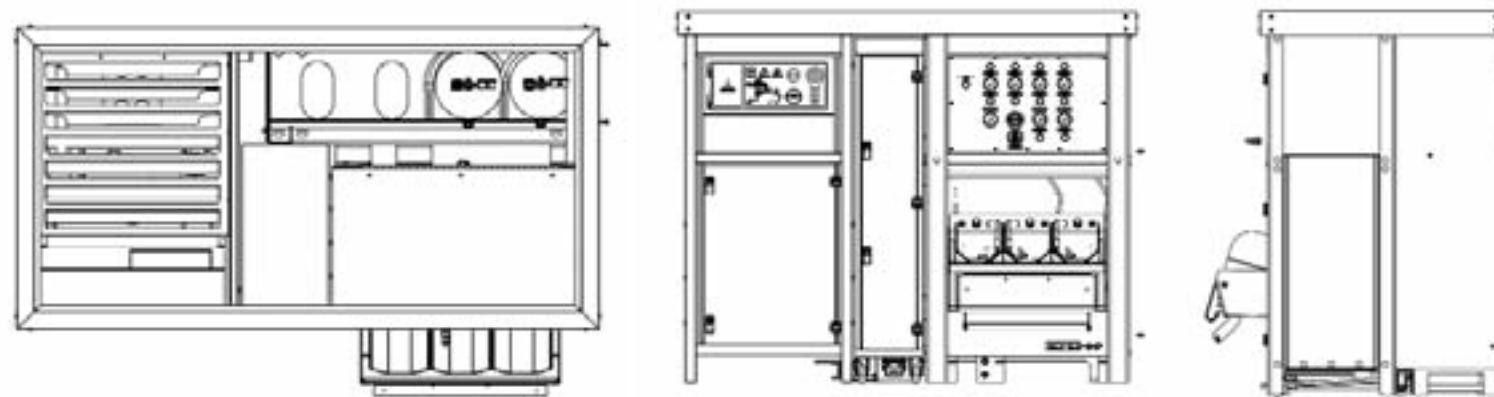
CFS (Containment Fill Station)

TECHNICAL DATA									
MODEL	NO. OF CYLINDERS	A		B		C		WEIGHT	
		mm	inch	mm	inch	mm	inch	kg	lbs
SCFS2	2	749	29½	597	23½	1676	66	398	877
SCFS3	3	978	38½	597	23½	1676	66	630	1390
SSCFS2	2	787	31	610	24	1715	67½	489	1077
SSCFS3	3	1041	41	610	24	1715	67½	721	1590
MODEL	MAXIMUM CYLINDER DIAMETER*			MAXIMUM CYLINDER LENGTH*					
		mm	inch		mm	inch			
SCFS2	210		8¼	736		29			
SCFS3	240		9½	787		31			

NOTES:

- All technical details are subject to change.
- Tested and certified to equivalent of UL 1450 Standards. Conforms to all applicable CE directives.
- Rupture test certificate available on request.

*Dimensions include cylinder boot



Maximum dimensions: Depth 52 1/2" x Width 90" x height 70"

Fuse Flexibility

The Mako Modular Breathing Air Center offers the flexibility to accommodate your exact requirements in proven technology with the integrated system including the Air Compressor, Storage Rack and Containment Fill Station, all enclosed within a uniquely designed envelope.

Instrumentation

- On/off button
- Pressure gauges, all stages
- Oil Pressure gauge on four stage units
- Emergency stop button
- Diagnostic indicator lights for:
 - High air temperature
 - Low oil pressure
 - High air pressure
- Hour meter

- Built in overtime timer set at 4 hours (adjustable)
- Final separator counter warning and alarm functions
- Full Support of CMM warning and alarm functions
- Full support of CO monitor alarm functions
- Motor overload reset
- UL listed panel

Air Purification

- Air purification is standard

Optional Equipment

- CO monitor
- Calibration kit
- Purification cartridge monitor
- Shutdown audible alarm package
- Dual pressure switch
- Up 4-bank cascade control for SCFS2 and up to six bank for SCFS3
- Dual Regulator
- Level Indicator for condensate reservoir
- 50-ft and 75-ft spring rewind hose reels

Features

- Room to house 4 DOT or ASME cylinders
- All components housed inside enclosure
- Built-in automatic condensate drain and muffler/reservoir
- Insulated, sound attenuated
- Against-the-wall installation
- Auxillary outlet with valve and fitting
- SCBA or SCUBA filling capability
- Automatic safety interlock for SCBA/SCUBA filling
- Piston rings on ALL compressor stages provide improved efficiency
- Automatic start and stop controls
- UL listed electrical panel
- NEMA 4 enclosure

MAKO's containment fill stations offer the ultimate in safety and convenience. An enclosed steel chamber offers maximum protection in the event of catastrophic cylinder failure. Our loading heights are ergonomically designed to reduce operator fatigue.

SCFS2 & SCFS3 Standard Features

- Easy access panels for maintenance
- Low loading heights for reduced operator strain
- Cascade controls with dual valves per bank
- Auxillary outlet
- Regulator with inlet and outlet pressure gauges
- Air storage bypass valve
- Certified to contain a rupture of an 80 cubic foot cylinder pressurized to 5000 psi
- Houses up to (3) 120cf SCUBA cylinders with boots at one time
- Removable SCBA bucket inserts are standard
- Available with SCBA, SCUBA Yokes or DIN Adaptors

Standard Controller + CMM (Electronic CO & Purification monitor)

The standard CMM controller is an Electronic CO & Purification monitor with level indicating LED's. This comes with the following features:

- CO (Carbon Monoxide) monitor and safety shut down
- Purification moisture Monitor
- Auto calibration
- An easily replaceable CO cell
- Key pad for security code and menu navigation
- The CMM can be added as a Retrofit kit for existing compressors