

GLOBAL FILTER SYSTEM

Global Mfg. Corp. produces major elements and components for diving air filtration systems. Our filter towers are constructed from 4" - diameter aluminum (alloy 7075) tube with a working pressure of 5,000 psi. The end plugs of each tower are O-ring sealed and are easily removed for changing chemical cartridges or making safety inspections; because both inlet and outlet ports are located in the base plug, no lines need to be detached during servicing. Our short tower (#44140) measures 3.75" x 16", whereas the tall model (#44150) is 3.75" x 33". Both employ disposable, drop-in, plastic tube cartridges which mate/seal within the tower on an internal O-ring. These tubes are pre-packed with filter chemicals which are retained by polyester felt pads supported by perforated aluminum disks and compacted by a stainless spring. The cartridges are throw-away items when filtrants are spent. (Aluminum towers should never be free-packed with chemicals; serious corrosion of the walls may result.)

The filtrants used in these cartridges either singly or in combination are: Molecular sieve 13X, recognized as the best dessicant for water and hydrocarbon removal; Activated carbon for eliminating hydrocarbon tastes and odors; and Hopcalite for converting dangerous traces of carbon monoxide to the more tolerable carbon dioxide. Each dessicant cartridge has an internal indicating strip which turns from blue to pink when drying agents become spent.

A variety of filter cartridges are available to replace those made by such popular manufacturers as Bauer, Mako, Innerspace, and L-Factor. All filter systems should have an after-separator (coalescor) to mechanically dry the air before it enters the chemical filters; this device enhances proper filtration and greatly extends the life of the cartridges. This GMC tower measures 3.75" x 11". GMC #44160, a combination coalescor and chemical filter within a single tower measuring 3.75" x 23.5", is used on small compressors to bolster their filtration capacity. A priority (back-pressure) valve is also essential in breathing air systems; this device easily doubles the efficiency of each moisture trap in the system.

Consult the cross-reference table to find the GMC cartridge which is equivalent to that of other manufacturers

Based on the Innerspace reference #:

Four series are commonly available:

- 1200 series contains activated carbon only
- 1500 series contains molecular sieve only
- 1600 series contains molecular sieve -plus activated carbon
- 1800 series contains molecular sieve, activated carbon and Hopcalite

FILTER PRICING CROSS REFERENCE CHART

GMC #	INNERSPACE	BAUER	MAKO	L-FACTOR
44202	1201 M		PC1201	X65220
44204	1203 M		PD1203	X65227
44205	1501 I			X47500
44206	1501 M		PC1501	X65670
44207	1503 B	58825/BC274		X22677
44208	1503 I			X47507
44209	1503 M		PD1503	X65677
44210	1601 I			X47600
44211	1601 M		PC1601	X65620
44212	1603 B	58826/BC275		X22627
44213	1603 I			X47607
44214	1603 M		PD1603	X65627
44215	1801 B	58821/BC106		X22240
44217	1801 M		PC1801	X65240
44218	1803 B	58827/BC276		X22247
44219	1803 I			X47807
44220	1803 M		PD1803	X65247

CARTRIDGES FOR GMC FILTER TOWERS ARE:

CARTRIDGE #	FOR GMC TOWER #	CONTENTS
44250	44140 (16")	CARBON ONLY
44251	44140 (16")	SIEVE ONLY
44252	44140 (16")	SIEVE PLUS CARBON
44253	44140 (16")	SIEVE, CARBON, HOPCALITE
44260	44150 (33")	CARBON ONLY
44261	44150 (33")	SIEVE ONLY
44262	44150 (33")	SIEVE PLUS CARBON
44263	44150 (33")	SIEVE, CARBON, HOPCALITE
44264	44160 (13")	SIEVE ONLY
44265	44160 (13")	SIEVE, CARBON, HOPCALITE

HYPER-FILTER CARTRIDGES

THESE SPECIAL CARTRIDGES ARE USED TO SUPER-FILTER GRADE E DIVE AIR AND REMOVE TRACE HYDROCARBONS TO A LEVEL SUITABLY CLEAN AND SAFE TO MIX WITH PURE OXYGEN FOR PREPARING NITROX. THE CARTRIDGES WILL FIT HYPER-FILTER TOWERS MADE BY GMC, L-FACTOR, AND DIVE RITE; THEY CANNOT BY USED IN STANDARD FILTER TOWERS.

#44351	HYPER-DRY CARTRIDGE TOWER #1 (L-FACTOR #X96677)
#44352	HYPER-CLEAN CARTRIDGE TOWER #2 (L-FACTOR #96337)
#44353	HYPER-PROCESS CARTRIDGE SINGLE TOWER SYSTEM (L-FACTOR #96338)

QUESTIONS??

techsupport@gmcscuba.com or 414-774-1616