MA & MG Series

Spin-On Elements

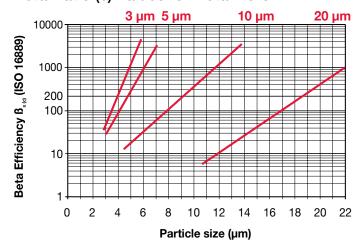




Features

- HYDAC Betamicron® elements are available with Multi-Layer Betamicron® media with absolute ratings of 3, 5, 10, and 20 microns.
- Proper support of the filter media provides high Beta Ratio values (particle removal efficiency) even at high differential pressures.
 The efficiency of many competitive elements drastically deteriorates as the element clogs and differential pressure increases.
- Betamicron® filter media is firmly supported to achieve flow fatigue resistance during significant pressure flow pulsations.
- High quality adhesive is used to bond the seam of the media and the endcaps to the media.
- Heavy gauge perforated support tubes are used to provide proper flow distribution and protection against element collapse.

Beta Ratio (B) Values for Betamicron



Technical Specifications

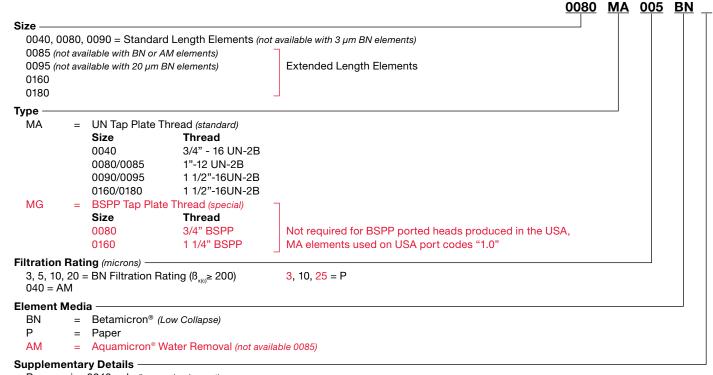
Technical Specifications	
Construction Materials	Steel
Flow Capacity	
40	7 gpm (26 lpm)
80	15 gpm (57 lpm)
85	25 gpm (95 lpm)
90	15 gpm (57 lpm)
95	25 gpm (95 lpm)
160/190	30 gpm (114 lpm)
180/195	60 gpm (227 lpm)
Housing Pressure Rating	
Max. Operating Pressure	120 psi (8 bar)/250 psi (17 bar) (MF90/95)
Proof Pressure	180 psi (12.4 bar)/375 psi (25.8 bar) (MF90/95)
Fatigue Pressure	Contact HYDAC
Burst Pressure	Contact HYDAC
Element Collapse Pressure Rating	
BN, P, AM	80 psid (5.5 bar)
Fluid Temperature Range	-22°F to 212°F (-30°C to 100°C)
Consult HYDAC for applications below 14°F (-10°C)	
Fluid Compatibility	
Compatible with all petroleum oils rated for use with Nitrile rubber (NBR) seals.	
Bypass Valve Cracking Pressure	

 $\Delta P = 3$ psid (0.2 bar) + 10% (for suction applications) $\Delta P = 25$ psid (1.7 bar) + 10% (standard for nominal filters)

MF 90/95/190/195)

 $\Delta P = 43$ psid (3 bar) + 10% (standard for absolute [BN] filters) $\Delta P = 50$ psid (3.4 bar) + 10% (standard for absolute [BN] filters,

Model Code



Bypass size 0040 only (bypass in element)

B1.3 = 18 PSID Bypass B1.7 = 25 PSID Bypass

Model Codes Containing RED are non-stock items — Minimum quantities may apply – Contact HYDAC for information and availability