

Series 350 Modular Filter Regulator Lubricator



Introducing.....

The Series 350 Air Preparation Products



Designed with Tomorrow in Mind

Series 350



In keeping with the Master Pneumatic's tradition of quality and flexibility, we are pleased to introduce the Series 350 that combines the quality of our Guardsman Series with a more compact aesthetically pleasing design. It features slim line impacted bowls and guards, color covers, ¼"-1/2" and two modular space saving lockout valves.



Series 350 Features and Benefits



- The aesthetics exceed any other mid size series on the market.
- Classic color design of machine black with the subtle contrast of the standard gold caps or the four optional colors illustrated.
- Flexibility to match OEM's preferred colors. Consult MP sales for details required to provide this special feature.



Series 350 Features and Benefits



FEATURE: Series 350 components are connected with a front loaded clamping system. With a 4 mm or 5/32" hex screw driver, you can easily join the necessary components into a compact assembly. All fasteners are captive for ease of use.

BENEFIT: Customers will appreciate the efficiency of the Series 350 when assembling and the ease of service with these products.



Series 350 Features and Benefits



FEATURE: With a change of model A118-05 to A118-105M you provide a convenient modular connection and **integral mounting bracket**



BENEFIT: The product is secured with a practical and attractive mounting arrangement.



Series 350 Features and Benefits



FEATURE: The energy isolation valves are available in two models. The standard is a 3-2 valve that can be installed with pipe or modularly with clamps. Valves with inlet & outlet ports $\frac{1}{4}$ "- $\frac{3}{4}$ " all have a $\frac{3}{4}$ " exhaust port.

V382

V383

The sliding gate seals with Carboxilated O-Rings and can be locked in the OFF position only.

BENEFIT: Competitively priced, compact valve with exhaust port greater than or equal to inlet/outlet ports.

Series 350 Features and Benefits



FEATURE: The other energy isolation valve incorporates the feature. The push button identifies this feature.

V382

V383

BENEFIT: The three position valve with a push button design, assures a soft start when you pressurize the system. This prevents damage to cylinders and other pneumatic products due to slamming caused by immediate full pressurization when opening lockout device.

Series 350 Features and Benefits



FEATURE: Locating Tabs are used on both Polycarbonate and Metal Bowls. Plastic drains include a removable knob.

BENEFIT: Locating Tabs provide visual identification that bowls are properly installed.

Plastic drains allow for draining of fluids. Knob can be easily removed to allow the attachment of tubing to direct the removal of fluids from filter bowl into an environmentally safe receptacle.



Series 350 Features and Benefits



FEATURE: ***Adaptability*** with a simple turned flange that users can easily connect other products. Extra port sizes $\frac{1}{4}$ " - $\frac{1}{2}$ ".



NOTE: Inlet and Outlet Ports of Extra Port are **NOT** threaded.



BENEFIT: By using Extra Port Blocks, Male & Female Adapters, customers can add additional components, either their own or supplied by MP.



WHEN MODULARITY IS IMPORTANT THE SERIES 350 CAN ACCOMODATE

Series 350 Features and Benefits



Feature: The Series 350 has been designed and tested to ISO Standards; ISO5782-2, ISO6301-2, ISO6953-1

BENEFIT: Performance meets or exceeds industry standards.



Series 350 Features and Benefits



Color Customized

Features:

- Standard Yellow cover
- Optional Red, Blue and Grey at no cost
- Custom colors optional



Benefits:

- Match Customer company colors
- Visual Management controls
- Supports LEAN Initiatives

Series 350 General Purpose Filter



- Higher inlet pressure
 - **Plastic Bowl w/Nylon Shatterguard 150 psig/ 125°F**
 - **Metal Bowl 250 psig/ 175°F (Float 200psig/150°F)**
- NEW shroud for efficient water removal and prevention of migration of water downstream.
- High water removal characteristics to 98%
- High Flow characteristics
- Larger bowls-5.1 Poly, 6 & 10 oz. Aluminum
- Compatible with Series 380 Accessories
- Automatic Internal Float and Manual Drain available



Series 350 Coalescing Filter



- Higher inlet pressure
 - Plastic Bowl w/Nylon Shatterguard 150 psig/ 125°F
 - Metal Bowl **250 psig/ 175°F** (Float 200psig/150°F)
- Borosilicate Glass elements - 99.99% efficiency
 - 0.3 μm standard
 - 0.01 μm optional
- Higher Flow characteristics with extended bowl
- Compatible with 380 Accessories
- Automatic Internal Float and Manual Drain available

Series 350 Adsorbing Filter



- Higher inlet pressure
 - Plastic Bowl w/Nylon shatterguard **150 psig/ 125°F**
 - Metal Bowl **250 psig/ 175°F**
- Activated carbon w/urethane seals cartridge
- Higher flow characteristics with extended metal bowl
- Compatible with Series 380 Accessories
- No sight gauge on metal bowls

Series 350 Clean Air Package



General Purpose Filter-Coalescing Filter-Adsorbing Filter



Series 350 Regulator



Optional Locking
Knob shown

- Superior pressure regulation – diaphragm type regulator
- Self relieving design
- Large diaphragm sensing area
- Increased flow vs. competitive models
- Compatible with Series 380 Accessories
- Inlet rated to 300 psig (21 bar)
- Ability to install at 45 degree increments
- Pressure adjusting locking knob (optional)
- Optional T-Handle
- Vastly improved pressure regulation
- Reverse flow option



Series 350 Integral Filter/Regulator



- Filter designed to remove particulates down to 5µm
- Elements
 - 5µm Polyethylene
 - 5, 20 and 40µm Bronze
- Internal automatic float drain & manual drain available
- Compatible with Series 380 Accessories
- Pressure rated to **250psig/175°F** with metal bowls
- Superior pressure regulation
- Pressure adjustment knob w/locking key is optional
- T-handle optional
- Reverse flow option

Optional Locking Knob shown
on Regulator

Series 350 Lubricator



- Larger bowl capacity;
 - **Standard – 5.1 oz. plastic**
 - **Optional – 6 oz. or 10 oz. extended aluminum bowl**
- Removable adjustment knob for tamper resistance
- Transparent nylon sight feed gives visual indication of oil being delivered at various settings
- Pressure rated to **250psig/175°F** with metal bowl
- Compatible with Series 380 Accessories
- Optional Quick Fill Cap

Series 350 Lean Initiatives



Color options support visual controls in lean initiatives

- Color coding by product function
- Identifying scheduled maintenance
- Color coded departmental areas
- Color coded product manufacturers



Series 350 Competition - NO COLOR CAPS



Norgren-Excelon 73

- Smaller bowls, lower flow, No extended bowls, no locking knob

Parker Compact 06F, 11F, 06R,

- Smaller bowls, comparable flow (Regulator & Lubricator lower), No extended bowls, no locking knob

Parker P32

- Smaller bowls, comparable flow (GP Filter & Regulator), lower flow Coalescing Filter & Lubricator (No extended bowls), Metal Bowls to 150°F, 1.0 and .01μm only, no locking knob

Watts F602, F701, R10, L606

- Smaller bowls, Filter flow comparable (No extended bowl), Regulator & Lubricator lower flow, no locking knob

Competition - NO COLOR CAPS



Wilkerson 16

- Smaller bowls, no extended bowls for Coalescing or Lubricator, lower flow Regulator & Lubricator, series max 200 psig, no locking knob

Numatics 22

- Smaller bowls, comparable flow (Regulator & Lubricator lower), **max 120°F**, No extended bowl for Coalescing or Lubricator, no locking knob

SMC AF40, AFD40, AR40, AL40

- Smaller bowls, Flow-Good GP Filter & Lubricator-Poor Coalescing .01μm (No extended bowl)-Comparable Regulator (no locking knob), unsure of metal bowl ratings

Series 350 v. Gaurdsman I & II

