

# R.P. ADAMS Automatic Self-Cleaning MSB System Bypasses Downtime!

## Winning Combination Eliminates Downtime!

Service on the R.P. Adams Poro-Edge Automatic Self-Cleaning strainer is rare – but as with any equipment you'll require service time for:

- ▶ Routine maintenance.
- ▶ Extreme system upsets.

The advantage of the R.P. Adams Poro-Edge strainer system is that regular maintenance and crisis management can be done without shutting down – the Manual Strainer Bypass System (MSB) is fully accessible and available to take over – you won't have to shut down an operation.

### **The Key is the MSB System**

When your Poro-Edge self-cleaning strainer needs attention, simply divert the flow to the integrated manual basket strainer through the interconnecting piping and isolation valves. The manual strainer is built to handle the same flow as the self-cleaning strainer.

Installation is easy – the Poro-Edge strainer and the manual basket strainer can also be combined on a skid. All piping, isolation valves, wiring of the control panel and backwash valve are included in the skidded system – making it simple



**R.P. Adams Skid-Mounted MSB System**

for maintenance personnel to switch from self-cleaning to manual when needed.

R.P. Adams uses resilient-seat butterfly valves, easily operated by hand, when you need to switch from the automatic to the manual system. All materials used in the R.P. Adams MSB are as durable as those used in the R.P. Adams Poro-Edge strainer – designed for years of use without major maintenance.

**The R.P. Adams MSB System ensure flows are maintained.**



## **R.P. ADAMS COMPANY, INC.**

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# R.P. ADAMS MANUAL STRAINER BYPASS SYSTEM

## Our standards are your standards

The R.P. Adams MSB System is available in several standard sizes and designs. Our factory can also accommodate special orders for high pressure and specific construction/ material requirements.

## MSB System Features

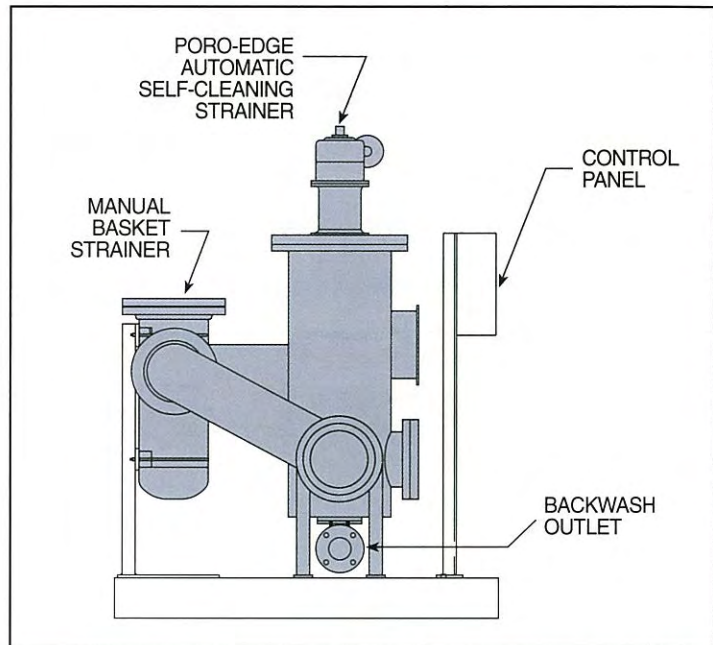
The MSB System is designed to handle the full capacity in your supply line. The manual strainer is a simplex design with a bolted cover, similar to the Poro-Edge Strainer. The isolation valves used are resilient-seat wafer-style butterfly valves. Pipe of the same diameter as the strainer process connections is used to integrate the manual and automatic strainers.

The R.P. Adams MSB System can be shipped unassembled and ready for installation in the field – or you can choose the optimum option: the skid-mounted, factory assembled and tested system.

## Technical Specifications

The MSB System, designed to work with the Poro-Edge Strainer, consists of:

- ▶ A simplex style manual basket strainer with equal capacity to the Poro-Edge strainer.
- ▶ Manual resilient-seat wafer-style butterfly isolation valves.
- ▶ All necessary bypass piping and bolting to connect the automatic and manual strainers.
- ▶ Complete factory assembly and testing, including wiring, for the skid-mounted option.



**R.P. Adams Skid-Mounted Manual Strainer Bypass System**  
(Typical Layout - Shown with VWS Series Strainer)

## MANUAL STRAINER BYPASS SYSTEMS

Model Number	Size Strainers Covered	Flow Capacity (USGPM)	Inlet/Outlet Connections	Approximate Dimensions (L x W x H)	Approximate Weight (lbs.)
MSB-4	VWS-4	200 - 400	4"	48" x 36" x 60"	1,500
MSB-6	VWS-6	400 - 850	6"	60" x 48" x 60"	1,800
MSB-8	H/VWS-7-10	800 - 2,200	8"	66" x 54" x 78"	4,500
MSB-10	H/VWS-10-13	2,200 - 3,000	10"	78" x 54" x 78"	5,000
MSB-12	H/VWS-13-16	3,000 - 4,000	12"	90" x 60" x 84"	5,500
MSB-14	H/VWS-16-20	4,000 - 5,000	14"	102" x 84" x 90"	6,200
MSB-16	H/VWS-20-34	5,000 - 8,000	16"	114" x 84" x 90"	6,500
MSB-18	H/VWS-34-40	8,000 - 10,000	18"	126" x 96" x 102"	6,700
MSB-20	H/VWS-40-56	10,000 - 15,000	20"	138" x 96" x 102"	7,800



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