

Magnum Cv Series Reference Guide

Autrol® Magnum Cv™

Products, Applications & Features

| | |
|------------------------------|-------------------------------|
| | 2800 Series |
| Magnum Cv 942F | 2850 Backwash Filter |
| Magnum Cv 942 | 2850/1600 |
| Magnum Cv 962/1 Inch | 2850/1600 1 Inch Meter |
| Magnum Cv 962/2 Inch | 2850/1600 1.5 Inch Meter |
| Magnum Cv 942 | 2850/1600 SVO |
| Magnum Cv 962/2 Inch | 2850/1600 SVO 1.5 Inch Meter |
| Magnum Cv 942 Manual | 2850 Manual |
| Magnum Cv 942 | 2850/1700 |
| Magnum Cv 962/1 Inch | 2850/1700 1 Inch Meter |
| Magnum Cv 962/2 Inch | 2850/1700 1.5 Inch Meter |
| Magnum Cv 942 | 2850/1700 SVO |
| Magnum Cv 962/1 Inch | 2850/1700 SVO 1 Inch Meter |
| Magnum Cv 962/2 Inch | 2850/1700 SVO 1.5 Inch Meter |
| | 2900 Series |
| Magnum Cv PLUS 942 | 2900/1600 |
| Magnum Cv 962/1 Inch | 2900/1600 1 Inch Meter |
| Magnum Cv PLUS 962/2 Inch | 2900/1600 1.5 Inch Meter |
| Magnum Cv PLUS 962/2 Inch | 2900/1600 2 Inch Meter |
| Magnum Cv PLUS 942 | 2900/1700 |
| Magnum Cv 962/1 Inch | 2900/1700 1 Inch Meter |
| Magnum Cv PLUS 962/2 Inch | 2900/1700 1.5 Inch Meter |
| Magnum Cv PLUS 962/2 Inch | 2900/1700 2 Inch Meter |
| | 3100 Series |
| Magnum Cv PLUS 942F | 3150/TM Backwash Filter |
| Magnum Cv PLUS 942F/SM | 3150/SM Backwash Filter |
| Magnum Cv PLUS 942 | 3150/1800/TM |
| Magnum Cv PLUS 962/2 Inch | 3150/TM 2 Inch Meter |
| Magnum Cv PLUS 942F | 3150/1800/TM SVO |
| Magnum Cv PLUS 962/2 Inch | 3150/1600/TM SVO 2 Inch Meter |
| Magnum Cv PLUS 942/SM | 3150/1800/SM |
| Magnum Cv PLUS 962/2 Inch/SM | 3150/1600/SM 2 Inch Meter |
| Magnum Cv PLUS 942/SM | 3150/1800/SM SVO |
| Magnum Cv PLUS 962/2 Inch/SM | 3150/1600/SM SVO 2 Inch Meter |



OSMONICS

Corporate Headquarters
5951 Clearwater Drive
Minnetonka, MN
55343-8995
USA
(612) 933-2277 Phone
(612) 933-0141 Fax

Syracuse Operations
7120 Henry Clay Boulevard
Liverpool, NY
13088-5344
USA
(315) 453-6100 Phone
(315) 451-1664 Fax

Euro/Africa Operations
230 rue Robert Schuman
ZA des Uselles
F-77350 Le Mée sur Seine
FRANCE
+33 1 64 10 2000 Phone
+33 1 64 10 3747 Fax

Asia/Pacific Operations
1044/8 SOI 44/2
Sukhumvit Road Prakanong
Bangkok 10110
THAILAND
+66 2 38 14213 Phone
+66 2 39 18183 Fax



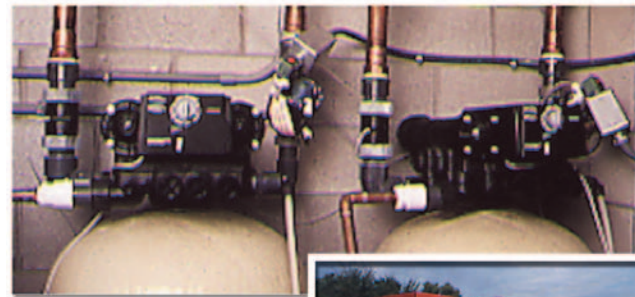
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For additional information call in the U.S. (800) 605-6698, International call (719) 264-3937, or visit www.osmonics.com

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Printed in USA, P/N 1018193 Rev. B

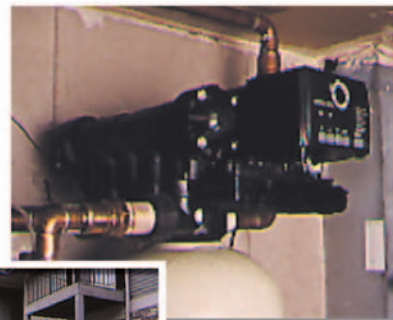
APPLICATIONS

Magnum Cv Product Applications



Car Wash

Car wash applications require a continuous supply of soft water with a wide range of flow rate capabilities. The Magnum Cv Series twin alternating systems provide these operating features at the best possible value.



Condominiums and Apartment Complexes

The value and flexibility of the Magnum Cv Series system make it an excellent candidate for applications requiring domestic water softening for multi-family dwellings.



Hotels

When peak flow rates need to be facilitated with minimal pressure drops, the Magnum Cv and Magnum Cv PLUS systems offer superior control valve capabilities with excellent operating cost results.



Manufacturing

The demand of process manufacturing requirements demand the softening and filtration capabilities of the Magnum Cv Series products. The backwash flows provided with the Magnum Cv Series will handle the vast array of filter applications in the manufacturing environment.



Magnum Cv Series Systems Strengths Table

- Lightweight Noryl* Construction - 23.3 lbs (10.6 kg)
- Union Disconnects Provided on Valve
- Full 1 1/2-Inch Drain Line Porting
- Versatile Electronic, Timeclock and Impulse Controls
- Twin Alternating Control Systems - Great Value
- Parallel Control Capabilities
- Proven Technology - Superior Performance

*Noryl is a trademark of General Electric Company

Magnum Cv Products & Features

Discover New Products, Features, Capabilities and Applications for the Magnum Cv Series Products



2 Inch
Magnum Cv Plus - The Magnum Cv Series product line now includes the Magnum Cv PLUS system, a product configuration that offers 2-inch connections out the back of the valve. In addition to ease of installation and service, this valve offers the same control flexibility and capabilities as the original Magnum Cv 1 1/2-inch valve configuration.

Side Mount

Magnum Side Mount Adapter - A PVC side mount adapter has been designed for use on applications requiring high service flow rates or for applications where side of tank access to the control valve is desired. With backwash rates near 90 gpm, the Magnum Cv Series control valves can backwash cation resin in tanks up to 54 inches in diameter. Reduce your inventory and expand your application of the Magnum Cv Series products by using the new side mount adapter.

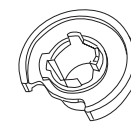
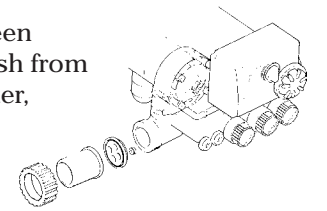


Multi-Tank

Multi-Tank Control - The Magnum Cv Series twin alternating control system has been well received in the market for its superior capabilities, ease of installation and outstanding value. To compliment the excellent multi-tank control of the Magnum Cv system, an expanded standard feature of the 962 electronic control will allow for dual parallel and triplex parallel operation.

Flow Control

Drain Line Flow Control - A series of drain line flow controls (DLFC) have been developed for the Magnum Cv Series products that allow for control of backwash from 5 to 40 gpm. Integrated directly between the drain connector and piping adapter, this DLFC is simple to install and saves time and money. Magnum system applications with backwash requirements beyond 40 gpm require an external DLFC. Please see "Just Add Water" bulletin issue number 4 (P/N 1018181) for more detailed information.



Flexibility

Hydraulic Output Signal - Two standard cam lobes are now offered that provide hydraulic output signal capabilities from the Magnum Cv Series control valves. Part number 1000553 provides a hydraulic output signal from start of backwash to the end of the refill cycle. Part number 1000554 provides a hydraulic output signal from the start of backwash to the beginning of the refill cycle.

Performance

Filter Applications - Do not overlook the outstanding backwash capabilities of the Magnum Cv Series products and their ability to handle the most challenging filter media. A new backwash standard has been established for commercial and industrial control valves with Magnum Cv Series products providing flow rates up to 90 gpm. Take advantage of the Magnum system's capability and value on your next filter application.

