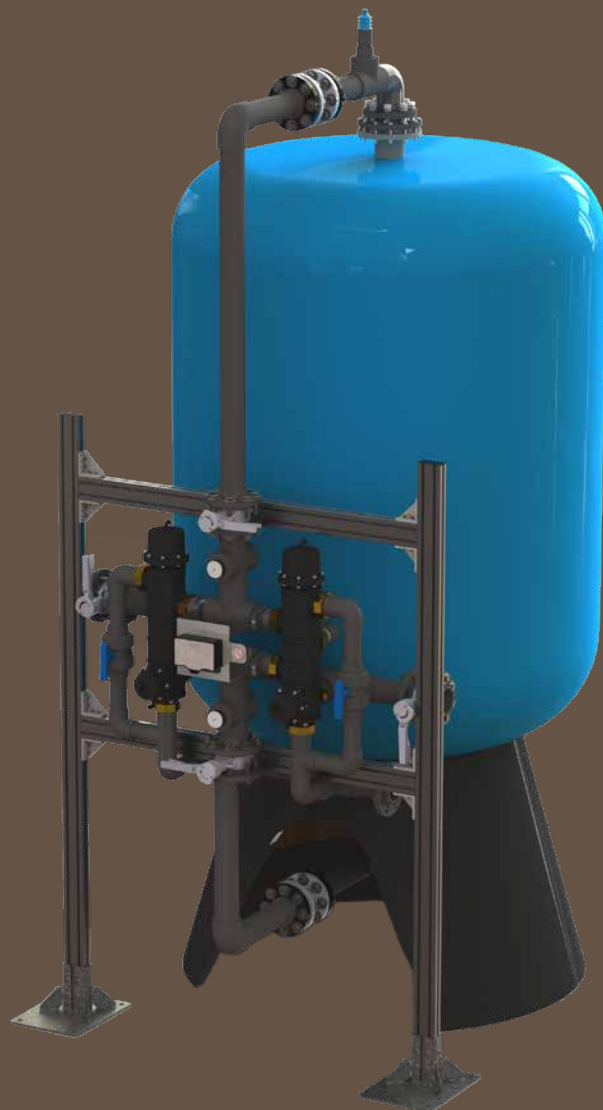




# TECHNICAL GUIDE

## PACKAGED PRODUCTS - COMMERCIAL & INDUSTRIAL SYSTEM SOLUTIONS

V363 DUO FILTRATION KIT





## V363 DUO FILTRATION KIT



### KIT DESCRIPTION

- All components and accessories included to build various types of filtration systems
- Suitable for a wide range of filter applications and adaptable to various vessel sizes: from 42x78 to 63x113 inches

### PREMIUM KIT

#### TECHNICAL DATA

- Type of valve: Profilter V363 Duo
- Controller type: SFE
- Voltage: 230 V 50/60 Hz - transformer 12 VAC 50/60 Hz
- Electrical power: 4 VA
- IP protection: 30
- Operating pressure: 1,5 - 6 bar
- Backwash start mode

#### FEATURES

- Pre-assembled DN 80 pipe flanged connections
- 2 x front mount pressure gauges
- 2 x DN 50 ball valves for backwash regulation
- 4 x DN 80 butterfly manual valves to disconnect the system during maintenance
- Differential pressure switch with setting from 1 to 2 bar included
- Auxiliary microswitch

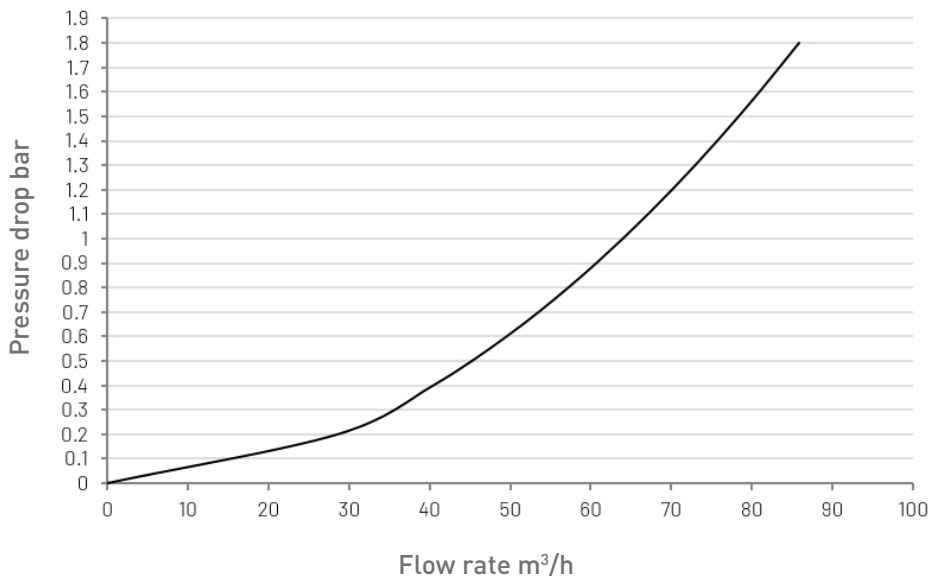
#### CONFIGURATION OPTIONS

- Support frame in aluminum available
- Complete piping with compensators

Part number	Description
CI-F-DUOSFE-0001	C&I filtration valve kit Premium - SIATA 363DUO SFE. NBP during backwash with differential pressure switch
CI-F4278DUOSFE0001	C&I filtration kit Premium - SIATA 363DUO SFE with tank 42x78. NBP during backwash with differential pressure switch
CI-F4882DUOSFE0001	C&I filtration kit Premium - SIATA 363DUO SFE with tank 48x82. NBP during backwash with differential pressure switch
CIF55104DUOSFE0001	C&I filtration kit Premium - SIATA 363DUO SFE with tank 55x104. NBP during backwash with differential pressure switch
CIF63106DUOSFE0001	C&I filtration kit Premium - SIATA 363DUO SFE with tank 63x113. NBP during backwash with differential pressure switch

## PERFORMANCE

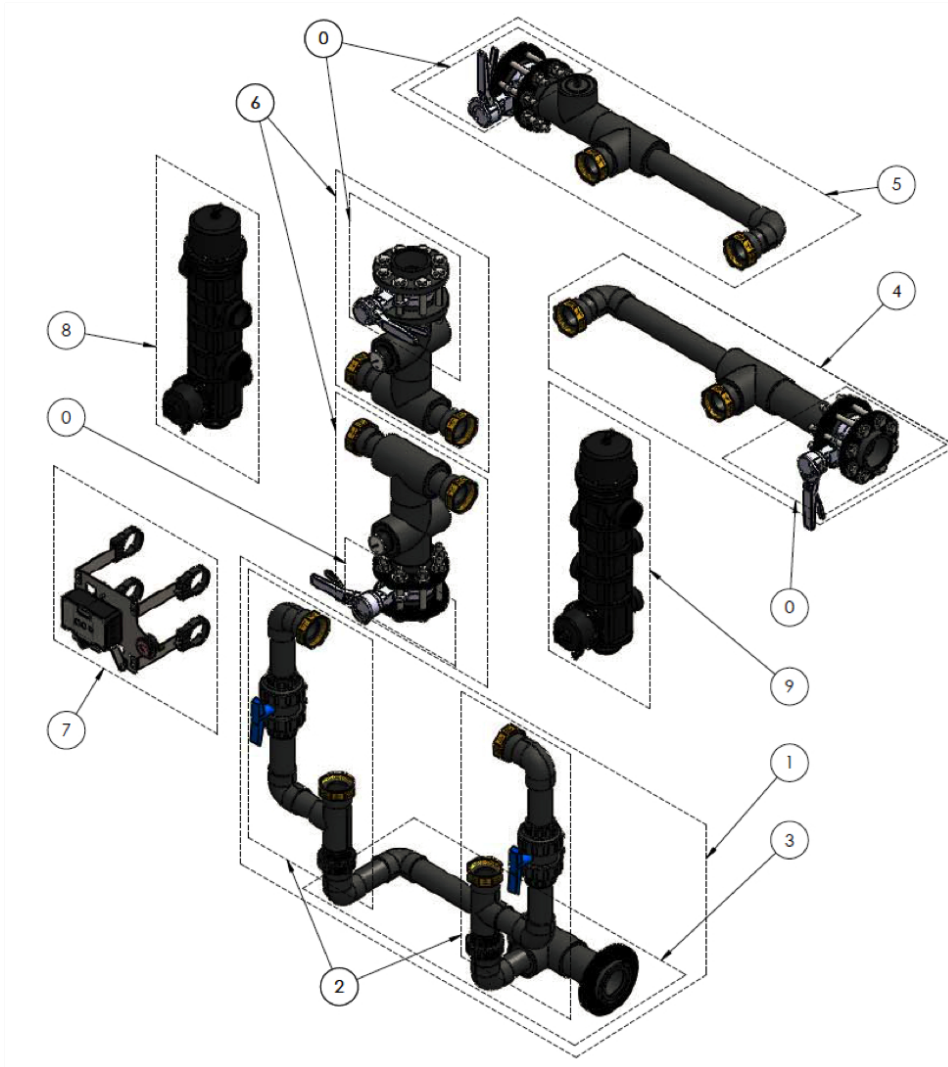
### V363 duo filtration kit performance



### Performance and DLFC settings upon different media types

Vessel size in inches	42x78	48x82	55x104	63x113
Backwash sand in m³/h [C.at 40 m/h]	33,6	48,1	61,3	80,4
Backwash birm in m³/h [C.at 30 m/h]	25,2	36,1	46,0	60,3
Backwash multi media & anthracite in m³/h [C.at 35 m/h]	29,4	42,1	53,6	70,4
Backwash GAC Cl & organics in m³/h [C.at 20 m/h]	16,8	24,1	30,6	40,2
Service flow multi media in m³/h [C.at 25 m/h]	21,0	30,1	38,3	50,3
Service flow antracite in m³/h [C.at 15 m/h]	12,6	18,1	23,0	30,2
Service flow GAC Cl in m³/h [C.at 8 m/h]	6,7	9,6	12,3	16,1
Service flow GAC organics in m³/h [C.at 3 m/h]	2,5	3,6	4,6	6,0
Service flow birm in m³/h [C.at 10 m/h]	8,4	12,0	15,3	20,1
Service flow with sand best filtration in m³/h [C.at 7 m/h]	5,9	8,4	10,7	14,1
Service sand good filtration in m³/h [C.at 10 m/h]	8,4	12,0	15,3	20,1
Service sand scarce filtration in m³/h [C.at 15 m/h]	12,6	18,1	23,0	30,2
Service sand rought filtrationin m³/h [C.at 20 m/h]	16,8	24,1	30,6	40,2

## EXPLODED VIEW



Item N°	Description	Qty
0	Butterfly manual valve	4
1	Drain pipe system assy with DN 80 Flange connection	1
2	V363 drain connections with ball valve for BW regulations	2
3	Drain pipe collector assy	1
4	Outlet pipe assy with DN 80 butterfly valve	1
5	Inlet pipe assy with DN 80 butterfly valve	1
6	Pipe connections to the tank with pressure gauges, pressure switch feed fittings & butterfly valve DN 80	2
7	Bracket for controller & differential pressure switch	1
8	363DUO valve left valve side	1
9	363DUO right valve side	1

## CONNECTION OF THE DIFFERENTIAL PRESSURE SWITCH

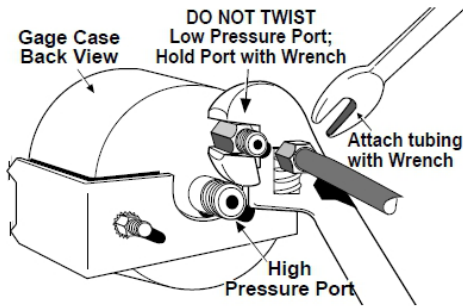
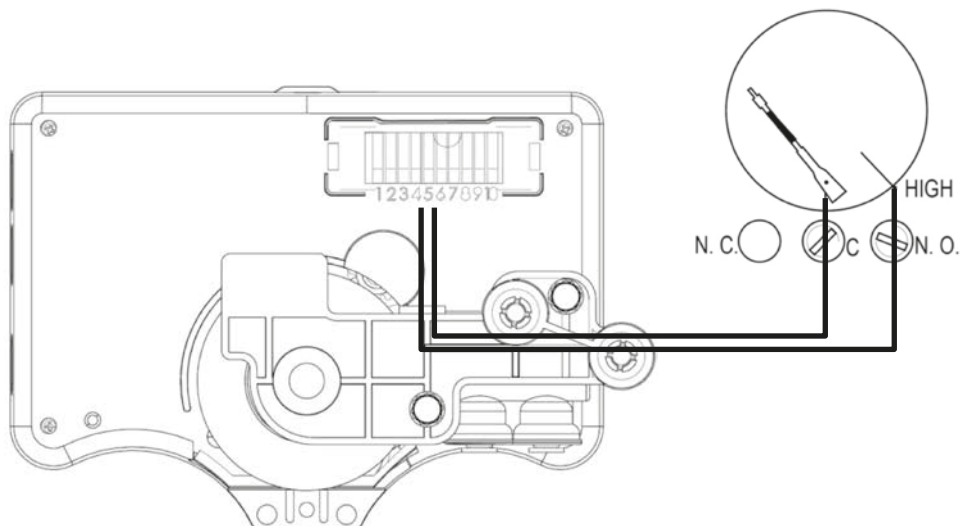
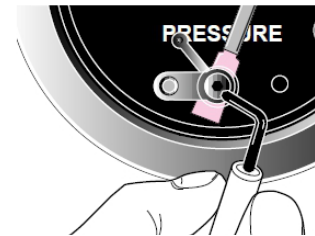


Fig.1

- The "High" pressure port (center mounted) is piped to the inlet side of the filter. The "Low" pressure port (top center mounted) is piped to the outlet side of the filter

- You MUST use a second wrench on the low pressure port when tightening tube fittings (see Fig. 1)
- Notice that a wrench is used for holding the low pressure port while a second wrench will tighten the pressure tubing/hose fitting onto the port
- All contacts are set using a 1/16 inch hex wrench. Rotate the contact until you reach the wanted setting. Set the contact slightly below the desired maximum differential pressure. Default setting is 2 bar.
- Connect the differential pressure switch contacts N.O. to the terminal strip 4-5 of the SFE as shown below



**Note:** Performance and flow settings advised by Pentair are calculated upon common media manufactures data sheets. We advise to always check with the filter media supplier the service and backwash velocities to use, and contact Pentair technical support whenever is needed to adapt the kit to different values from the ones specified in this document.

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