

F2400



The Ultimate Protection for Your Irrigation System

Rivulis F2400 Media Filter

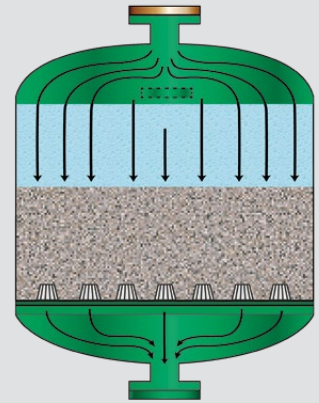
- **Most effective filtration method:** Removes both organic and inorganic contaminants
- **Dual barrier corrosion protection:** Epoxy lined tanks with additional exterior polyester coating
- **Pre-assembled arrays available:** Choose from individual components, disassembled arrays, and arrays pre-assembled on a platform
- **Ideal for long term subsurface irrigation, and high particle / organic load conditions**

The Ultimate Protection for your Irrigation System




Rivulis F2400 Media Filters provide the ultimate protection barrier against the widest range of contaminants that could threaten your irrigation system.

The 'ultimate protection' is a large claim, however, when it comes to filtration for irrigation, there is no more effective method than media filters.

Media filtration removes contaminants as water passes through the depth of media (sand/gravel) in the tank. As seen in nature, and replicated both in industrial and domestic applications, filtering through media is extremely effective in removing contaminants.



Rivulis F2400 - The benefits are clear

Applications	Why?	
Reservoirs, channels & other open water sources	All open water sources are vulnerable to organic content that can block drip irrigation systems. Media filtration is one of the few filtration methods which effectively protects both against inorganic <i>and</i> organic matter such as algae.	
Long-term sub-surface-irrigation (SDI) systems	A subsurface drip system can last 10 – 20 years if well maintained. To achieve this life-span, superior filtration is required. The Rivulis F2400 provides the highest level of filtration for irrigation and is the ideal choice for protecting your irrigation investment, season after season.	
Water sources with silt or a high volume of contaminants	Rivulis F2400 is the solution for challenging environments as it is effective in removing fine particles and in its ability to withstand very poor water quality including silt that can be found in bore water.	

Dual Barrier Protection

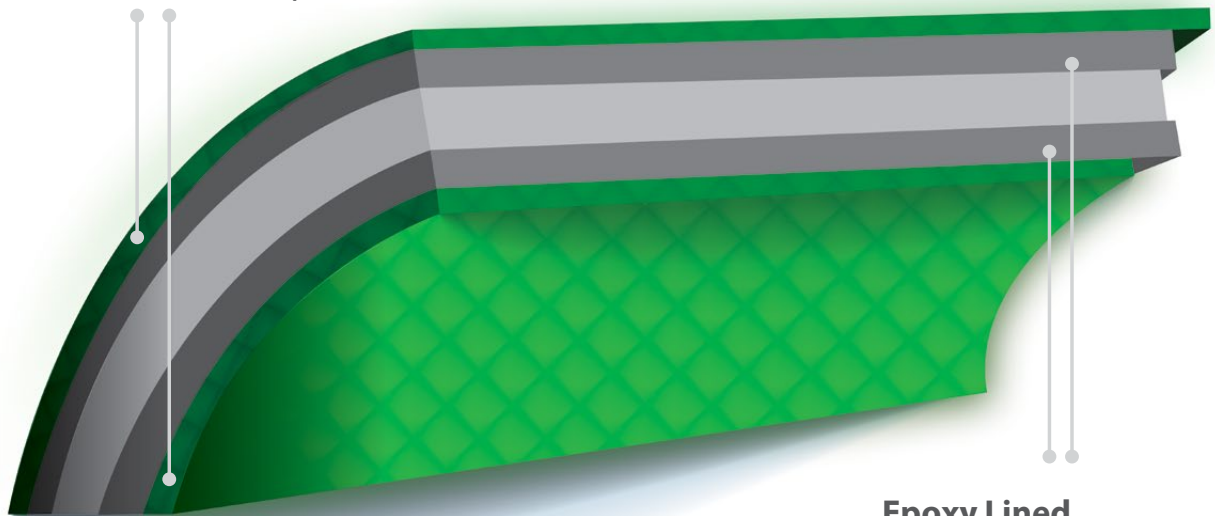
Rust corrosion can significantly reduce your filter life.

All Rivulis F2400 filters are designed with dual barrier protection. An external polyester coated layer and internal epoxy coating inside the filter. Epoxy reacts by bonding with the metal itself to provide a hard, robust surface - one of the most effective methods of preventing metal from corrosion.

Compare this to other screen filters on the market, which provide limited protection against rust. Some only apply an internal polyester coating that primarily provides UV protection, but as it is inside the filter, it is not much help as the UV rays only affect the outside of the filter.

Polyester Coated

For environmental and UV protection



Epoxy Lined

For corrosion protection

Rivulis F2400 - best protection with dual epoxy-polyester barriers.



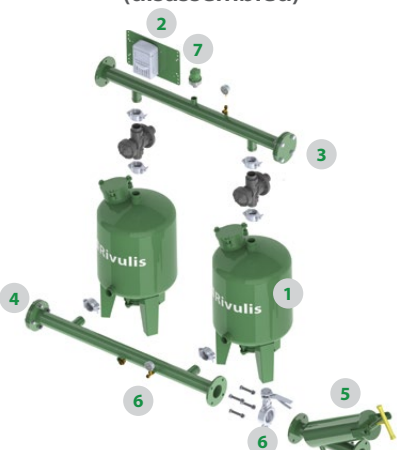

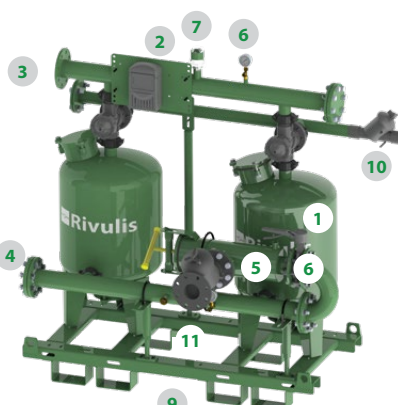
Epoxy coating helps prevent rust corrosion that reduces the life of most metal filters.

Rivulis F2400 Filter Arrays

Your Rivulis F2400 media system can be built using individual parts.

Alternatively, choose a complete filter array system where each component is already pre-selected for optimum total performance to match the flow to each individual component.

- Filter arrays provide all the major components you require for a fully functioning media system including sand, controller, backflush valves and manifolds.
- Avoid the hassle of choosing individual components. Each array is optimized for the correct size parts for the designated flow.
- Arrays are available in 3 options - A, B & C as shown below. Please consult the Product List for the exact models available for each array option.

<h3>ARRAY OPTION A</h3> <p>Standard Array (disassembled)</p> 	<h3>ARRAY OPTION B</h3> <p>Standard Array (assembled on a platform)</p> 	<h3>ARRAY OPTION C</h3> <p>Deluxe Array (assembled on a platform)</p> 
<p>Components:</p> <ol style="list-style-type: none"> 1. Rivulis F2400 Media Filters 2. Controller and solenoids 3. Inlet collector 4. Outlet collector 5. Rivulis F3140 backup filter 6. Butterfly valve and pressure gauges 7. Rivulis backflush valves and air valve 8. Sand 	<p>Components:</p> <ol style="list-style-type: none"> 1. Rivulis F2400 Media Filters 2. Controller and solenoids 3. Inlet collector 4. Outlet collector 5. Rivulis F3140 backup filter 6. Butterfly valve and pressure gauges 7. Rivulis backflush valves and air valve 8. Sand 9. Platform 	<p>Components:</p> <ol style="list-style-type: none"> 1. Rivulis F2400 Media Filters 2. Controller and solenoids 3. Inlet collector 4. Outlet collector 5. Rivulis F3140 angle backup filter with double elbow 6. Butterfly valve and pressure gauges 7. Rivulis backflush valves and air valve 8. Sand 9. Platform 10. Metal Backflush collector with Flow limiting valve 11. Electric valve (for 2 tank models)

Rivulis F2400 Filter Arrays

Option A: Standard Array Dissambled

Key Operating Guidelines	
Pressure differential:	Not to exceed 0.5 bar
Maximum working pressure:	8.0 bar
Maximum pressure:	10.0 bar
Also applicable to Array Media Filters	



Option B: Standard Array (assembled on platform)

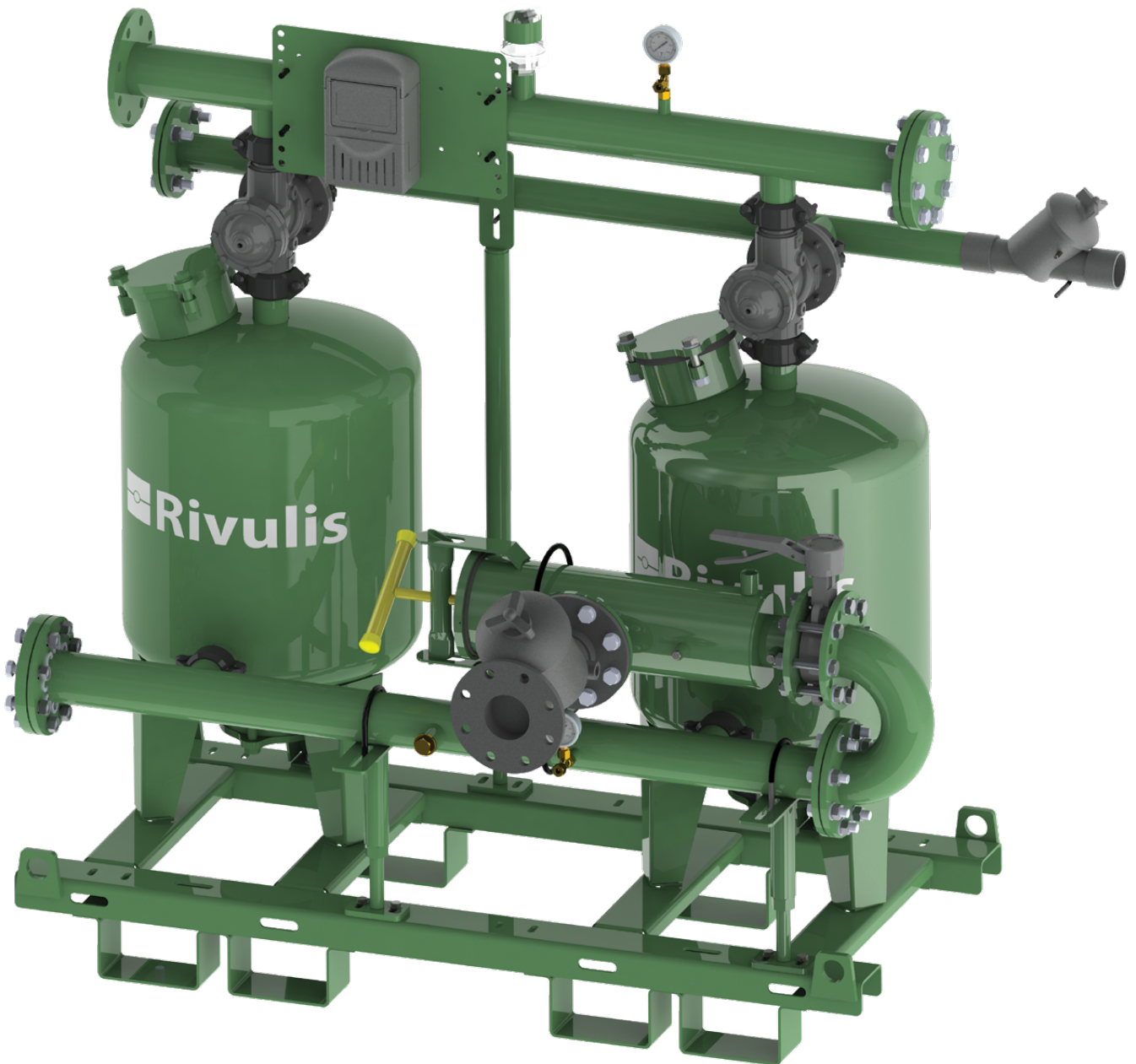
Key Operating Guidelines	
Pressure differential:	Not to exceed 0.5 bar
Maximum working pressure:	8.0 bar
Maximum pressure:	10.0 bar
Also applicable to Array Media Filters	



Rivulis F2400 Filter Array

Option C: Deluxe array assembled on platform

Key Operating Guidelines	
Pressure differential:	Not to exceed 0.5 bar
Maximum working pressure:	8.0 bar
Maximum pressure:	10.0 bar
Also applicable to Array Media Filters	



Rivulis F2400 Performance Data

Key Operating Guidelines	
Pressure differential:	Not to exceed 0.5 bar
Maximum working pressure:	8.0 bar
Maximum pressure:	10.0 bar
Also applicable to Array Media Filters	



Rivulis F2400 Media Filter Nozzles / F2400 Media filter Arm collectors Product Specifications Options

Body Diameter		Inlet / Outlet		Nominal Flow Rate	Maximum Flow Rate	Back Flush Flow Rate	Connection Type (other options available)
inch	mm	inch	mm	m ³ /h	m ³ /h	m ³ /h	
16	400	2	50	10	15	5	BSP
20	500	2	50	13	18	8	BSP
24	600	2	50	20	28	12	BSP
28	700	3	80	27	35	17	VIC, ISO 16
36	900	3	80	43	62	24	VIC, ISO 16
48	1200	4	100	65	120	45	VIC

*Data for Silice 0.8, 1.2

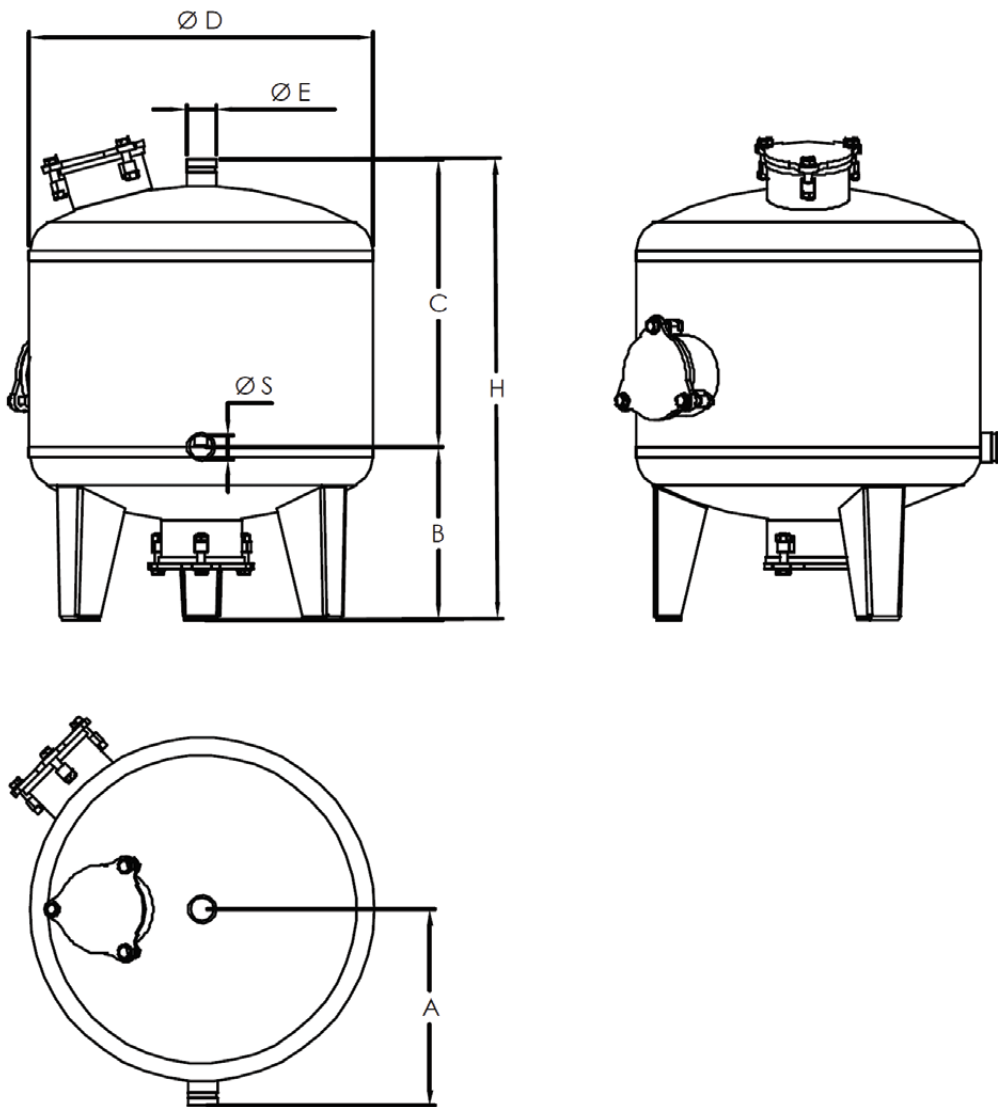
Rivulis F2400 Media Filter Nozzles / F2400 Media filter Arm collectors Amount of Media Required for Each Filter*

Body Model		Inlet Model		Weight (Nozzle)	Weight (Arms)
inch	mm	inch	mm	kg	kg
16	400	2	50	50	75
20	500	2	50	75	100
24	600	2	50	125	150
28	700	3	80	150	225
36	900	3	80	375	500
48	1200	4	100	550	800

* Media Filters are sold without media. Media sand can be ordered separately (Product Number: 101051618)

Product Dimensions and Weights

Body Model		Inlet Model		C	B	H	A	Total Height	Body Weight Nozzles	Body Weight Arms	Weight (Nozzle)	Weight (Arms)
inch	mm	inch	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg
16	400	2	50	957	180	1137	250	1137	52	40	50	75
20	500	2	50	590	350	940	300	970	67	46	75	100
24	600	2	50	590	350	940	350	970	85	52	125	150
28	700	3	80	586	350	936	400	980	102	63	150	225
36	900	3	80	770	330	1100	505	1100	185	110	375	500
48	1200	4	100	725	375	1100	665	1100	319	189	550	800



Product Head Loss Chart (bar)

Model (Inlet/Body)	Flow Rate (m ³ /h)												
	10	15	20	25	30	35	40	45	50	55	60	70	80
inch	Head Loss (bar)												
2/16	0.15	0.40	1.00										
2/20	0.04	0.11	0.32	0.80									
2/24	0.02	0.06	0.17	0.25	0.43	0.80							
3/28		0.03	0.07	0.10	0.20	0.38	0.58	0.80	1.00				
3/36			0.01	0.02	0.04	0.07	0.10	0.15	0.20	0.30	0.35	0.60	0.90
4/48							0.03	0.04	0.06	0.09	0.10	0.20	0.30



Product List

Rivulis F2400 Individual Tanks						
Product Description	Type	Inlet/Outlet Size		Tank Size	Connection Type	Product Number
		(inch)	(mm)	(inch)		
F2400 Media Filter Nozzles 16 inch	Nozzles	2	50	16	BSP	101052419
F2400 Media Filter Nozzles 20 inch		2	50	20	BSP	101050603
F2400 Media Filter Nozzles 24 inch		2	50	24	BSP	101050604
F2400 Media Filter Nozzles 28 inch		3	80	28	ISO 16	101050605
F2400 Media Filter Nozzles 36 inch		3	80	36	VIC	101050606
F2400 Media Filter Nozzles 48 inch		4	100	48	VIC	101050607
F2400 Media Filter Arm Collectors 20 inch	Arm Collectors	2	50	20	BSP	101050598
F2400 Media Filter Arm Collectors 24 inch		2	50	24	BSP	101050599
F2400 Media Filter Arm Collectors 28 inch		3	80	28	ISO 16	101050600
F2400 Media Filter Arm Collectors 36 inch		3	80	36	VIC	101050601
F2400 Media Filter Arm Collectors 48 inch		4	100	48	VIC	101050602



Rivulis F2400 Accessories		
Product Description	Description	Product Number
Controller	Rivulis DC Controller 2 Output	WT12860
Expansion Module for controller	Controller Expansion Module 2 Output DC	WT12870
Media Sand	Media Silica 1 2mm. 25 Kg Bag	101051618



Rivulis F2400 | Media Arrays | Option A

Product Description	Tank size (inch)	Tank Qty	Nominal Flow /Tank (m ³ /h)	Recommended Flow /Tank (m ³ /h)	Max total Flow/ Array (m ³ /h)	Back wash Flow (m ³ /h)	Manifold (inch)	Product Number
F2400 Media Filter Array 2x20" + 1xF3140 In Line 3" ISO 16 DC	20"	2	18	13	26	8	3"	101050972
F2400 Media Filter Array 3x20" + 1xF3140 In Line 3" ISO 16 DC	20"	3	18	13	39	8	3"	101050973
F2400 Media Filter Array 2x24" + 1xF3140 In Line 3" ISO 16 DC	24"	2	28	20	40	12	3"	101050974
F2400 Media Filter Array 3x24" + 1xF3140 In Line 3" ISO 16 DC	24"	3	28	20	60	12	3"	101050975
F2400 Media Filter Array 3x28" + 1xF3140 In Line 4" ISO 16 DC	28"	3	35	28	84	15	4"	101050977
F2400 Media Filter Array 3x36" + 1xF3140 In Line 6" ISO 16 DC	36"	3	62	43	129	24	6"	101050976
F2400 Media Filter Array 6x36" + 1xF3140 In Line 6" ISO 16 DC	36"	6	62	43	258	24	6"	101050165
F2400 Media Filter Array 4x36" + 1xF3140 In Line 6" ISO 16 DC	36"	4	62	43	172	24	6"	101051656



Rivulis F2400 | Media Arrays | Option B

Product Description	Tank size (inch)	Tank Qty	Nominal Flow /Tank (m ³ /h)	Recommended Flow /Tank (m ³ /h)	Max total Flow/ Array (m ³ /h)	Back wash Flow (m ³ /h)	Manifold (inch)	Product Number
F2400 Media Filter Array 2x20" + 1xF3140 In Line 3" ISO 16 DC. Mobile on platform	20"	2	18	13	24	8	3"	101050978
F2400 Media Filter Array 3x20" + 1xF3140 In Line 3" ISO 16 DC. Mobile on platform	20"	3	18	13	24	8	3"	101050979
F2400 Media Filter Array 3x24" + 1xF3140 In Line 3" ISO 16 DC. Mobile on platform	24"	3	28	20	40	12	3"	101050980
F2400 Media Filter Array 2x24" + 1xF3140 In Line 3" ISO 16 DC. Mobile on platform	24"	2	28	20	40	12	3"	101052381
F2400 Media Filter Array 3x36" + 1xF3140 In Line 6" ISO 16 DC. Mobile on platform	36"	3	62	43	129	24	6"	101061388



Rivulis F2400 | Media Arrays | Option C

Product Description	Tank size (inch)	Tank Qty	Nominal Flow /Tank (m ³ /h)	Recommended Flow /Tank (m ³ /h)	Max total Flow/ Array (m ³ /h)	Back wash Flow (m ³ /h)	Manifold (inch)	Product Number
F2400 Media Filter Array 2x20" + 1xF3140 Angle 3" ISO 16 DC Mobile on platform + Flow limiting Valve + Closing Valve	20"	2	18	13	24	8	3"	101060362
F2400 Media Filter Array 3x20" + 1xF3140 Angle 3" ISO 16 DC Mobile on platform + Flow limiting Valve	20"	3	18	13	24	8	3"	101060363
F2400 Media Filter Array 2x24" + 1xF3140 Angle 3" ISO 16 DC Mobile on platform + Flow limiting Valve + Closing Valve	24"	2	28	20	40	12	3"	101060364
F2400 Media Filter Array 3x24" + 1xF3140 Angle 3" ISO 16 DC Mobile on platform + Flow limiting Valve	24"	3	28	20	40	12	3"	101060365
F2400 Media Filter Array 2x28" + 1xF3140 Angle 3" ISO 16 DC Mobile on platform + Flow limiting Valve + Closing Valve	28"	3	35	28	80	15	3"	101061383
F2400 Media Filter Array 3x28" + 1xF3140 Angle 4" ISO 16 DC Mobile on platform + Flow limiting Valve	28"	3	35	28	80	15	4"	101061696





F2400



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