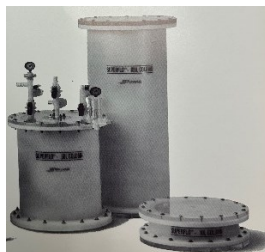


Ordering Information



SuperFlo Acrylic Process Columns (Requires Accessory Set)

Catalog #	Description	Price
11-010L-00	10L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-020L-00	20L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-030L-00	30L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-040L-00	40L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-050L-00	50L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-060L-00	60L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-070L-00	70L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-080L-00	80L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-090L-00	90L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote
11-100L-00	100L Process Scale Acrylic SuperFlo Column, 10 cm Bed Depth	Request a quote

SuperFlo Acrylic Process Column Accessories

Catalog #	Description	Price
11-040L-30	Accessory Set with Sanitary Connectors for Process Acrylic Columns (10L-40L) Includes: 1 - Stainless Steel Column Cart (13-100L-10) 1 - Pressure Gauge with Gauge Guard (11-100L-15) 1 - Packing Manifold (11-040L-11) 8 - Polyethylene Packing and Unpacking Port Plugs (11-100L-11) 6 - Plastic Ball Valves for Column Packing Ports (11-100L-22)	Request a quote
11-100L-30	Accessory Set with Sanitary Connectors for Process Acrylic Columns (50L-100L) Includes: 1 - Stainless Steel Column Cart (13-100L-10) 1 - Pressure Gauge with Gauge Guard (11-100L-15) 1 - Packing Manifold (11-100L-11) 8 - Polyethylene Packing and Unpacking Port Plugs (11-100L-11) 6 - Plastic Ball Valves for Column Packing Ports (11-100L-22)	Request a quote
11-100L-10	316L Stainless Steel Column Cart	Request a quote
11-100L-15	Pressure Gauge with Gauge Guard	Request a quote



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11-040L-11	Packing and Running Manifold - for Columns 40L and Smaller	Request a quote
11-100L-11	Packing and Running Manifold - for Columns 50L and Larger	Request a quote
11-100L-12	8 Polyethylene Packing and Unpacking Port Plugs	Request a quote
11-100L-22	Plastic Ball Valves (Each)	Request a quote
11-010L-17	500 ml Bubble Trap with Sanitary Connectors for 10L Column	Request a quote
11-020L-17	1500 ml Bubble Trap with Sanitary Connectors for 20L Column	Request a quote
11-040L-17	1500 ml Bubble Trap with Sanitary Connectors for up to 50L Column	Request a quote
11-050L-17	2500 ml Bubble Trap with Sanitary Connectors for up to 50L Column	Request a quote
11-100L-17	3750 ml Bubble Trap with Sanitary Connectors for up to 100L Column	Request a quote

SuperFlo Acrylic Process Columns Spare Parts

<u>Catalog #</u>	<u>Description</u>	<u>Price</u>
11-100L-13	O-ring Set (EPDM)	Request a quote
11-100L-13TE	O-ring Set (Teflon Encapsulated, Includes 9 column O-rings, 10 Packing Inlet/Outlet Gaskets and 8 packing Port Plug O-rings)	Request a quote
11-050L-08	Metal Reinforcement Plate for 50L Process Acrylic Column	Request a quote
11-010L-07	Inner Frit for 10L Process Acrylic Column	Request a quote
11-020L-07	Inner Frit for 20L Process Acrylic Column	Request a quote
11-030L-07	Inner Frit for 30L Process Acrylic Column	Request a quote
11-040L-07	Inner Frit for 40L Process Acrylic Column	Request a quote
11-050L-07	Inner Frit for 50L Process Acrylic Column	Request a quote
11-060L-07	Inner Frit for 60L Process Acrylic Column	Request a quote
11-070L-07	Inner Frit for 70L Process Acrylic Column	Request a quote
11-080L-07	Inner Frit for 80L Process Acrylic Column	Request a quote
11-090L-07	Inner Frit for 90L Process Acrylic Column	Request a quote
11-100L-07	Inner Frit for 100L Process Acrylic Column	Request a quote
11-010L-06	Outer Frit for 10L Process Acrylic Column	Request a quote
11-020L-06	Outer Frit for 20L Process Acrylic Column	Request a quote
11-030L-06	Outer Frit for 30L Process Acrylic Column	Request a quote
11-040L-06	Outer Frit for 40L Process Acrylic Column	Request a quote
11-050L-06	Outer Frit for 50L Process Acrylic Column	Request a quote
11-060L-06	Outer Frit for 60L Process Acrylic Column	Request a quote
11-070L-06	Outer Frit for 70L Process Acrylic Column	Request a quote
11-080L-06	Outer Frit for 80L Process Acrylic Column	Request a quote
11-090L-06	Outer Frit for 90L Process Acrylic Column	Request a quote
11-100L-06	Outer Frit for 100L Process Acrylic Column	Request a quote

Ordering Information



SuperFlo Stainless Steel Process Columns (Requires Accessory set)

Catalog #	Description	Price
13-010L-00	10L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-010L-00R	Per Month Rental of 10L Process Stainless Steel Column (includes Rental Accessory Set)	Request a quote
13-015L-00	15L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-020L-00	20L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-025L-00	25L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-030L-00	30L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-040L-00	40L Process Scale Stainless Steel SuperFlo Column, 10 cm Bed Depth	Request a quote
13-020L-15	20L Process Scale Stainless Steel SuperFlo Column, 15 cm Bed Depth	Request a quote
13-050L-00	50L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote
13-060L-00	60L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote
13-070L-00	70L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote
13-080L-00	80L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote
13-090L-00	90L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote
13-100L-00	100L Process Scale SS SuperFlo Column; 4 packing / unpacking ports, 10 cm Bed Depth	Request a quote

SuperFlo Stainless Steel Column Accessories

Catalog #	Description	Price
13-040L-30	Accessory Set with Sanitary Connectors for Process SS Columns (10L-40L) / includes stainless steel column cart, pressure gauge with gauge guard, packing manifold, four stainless steel packing and four unpacking port plugs, four stainless steel ball valves for packing ports, 1 SS Tee and 2 SS Elbows	Request a quote
13-100L-30	Accessory Set with Sanitary Connectors for Process SS Columns (50L-100L) includes stainless steel column cart, pressure gauge with gauge guard, packing manifold, eight stainless steel packing and unpacking	Request a quote



Ordering Information

	port plugs, 4 SS Ball Valves for Packing Ports 1 SS Tee and 2 SS Elbows, clamps and gaskets	
13-010L-17	500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for 10L Column	Request a quote
13-020L-17	1500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for 20L Column	Request a quote
13-025L-17	1500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for 25L Column	Request a quote
13-020L-17A	1500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for Amgen's Custom 20L Column	Request a quote
13-040L-17	1500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for up to 50L Column	Request a quote
13-050L-17	2500mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for up to 50L Column	Request a quote
13-100L-17	3750mL Bubble Trap with Sanitary 1" Connectors, Gauge, Air Bleed Valve for up to 100L Column	Request a quote
13-100L-10	316L Stainless Steel Column Cart for Process SS Columns	Request a quote
13-100L-11	4 Port Packing and Running Manifold (**Running manifold connects two or more columns)	Request a quote
13-040L-11	4 Port Packing Manifold (**Running manifold connects two or more columns)	Request a quote
13-100L-12	8 SS Packing Port Plugs for Stainless Steel Process Columns	Request a quote
13-020L-17-A	Bubble Trap Mounting Bracket for 1500mL Bubble Trap	Request a quote
13-100L-23	Inlet/Outlet Diaphragm Valves	Request a quote
13-100L-15	Pressure Gauge with Gauge Guard	Request a quote
13-100L-22	Stainless Steel Ball Valves (Each)	Request a quote

SuperFlo Stainless Steel Process Column Spare Parts

Catalog #	Description	Price
13-040L-13	O-ring Set (EPDM)	Request a quote
13-040L-13TE	O-ring Set (Teflon Encapsulated)	Request a quote
13-100L-13	O-ring Set (EPDM) Includes 6 O-rings (2 Column Body, 2 Inner Frit and 2 Outer Frit)	Request a quote
13-100L-13C	O-ring Set (6) FDA Approved, ADI Free, USP Class VI (2 Column Body, 2 Inner Frit and 2 Outer Frit)	Request a quote
13-100L-14	O-ring Set for Packing Port Plugs (Set of 8)	Request a quote
13-100L-18	Gasket Set for Tubing (Set of 10)	Request a quote
13-040L-03	Inlet Head for Process Stainless Steel Column (10L - 40L)	Request a quote
13-040L-04	Outlet Head Process Stainless Steel Column (10L - 40L)	Request a quote
13-100L-03	Inlet Head for Process Stainless Steel Column (50L - 100L)	Request a quote
13-100L-04	Outlet Head for Process Stainless Steel Column (50L - 100L)	Request a quote
13-010L-07	Inner Frit for 10L Process Stainless Steel Column	Request a quote
13-015L-07	Inner Frit for 15L Process Stainless Steel Column	Request a quote
13-020L-07	Inner Frit for 20L Process Stainless Steel Column	Request a quote



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13-025L-07	Inner Frit for 25L Process Stainless Steel Column	Request a quote
13-030L-07	Inner Frit for 30L Process Stainless Steel Column	Request a quote
13-040L-07	Inner Frit for 40L Process Stainless Steel Column	Request a quote
13-050L-07	Inner Frit for 50L Process Stainless Steel Column	Request a quote
13-060L-07	Inner Frit for 60L Process Stainless Steel Column	Request a quote
13-070L-07	Inner Frit for 70L Process Stainless Steel Column	Request a quote
13-080L-07	Inner Frit for 80L Process Stainless Steel Column	Request a quote
13-090L-07	Inner Frit for 90L Process Stainless Steel Column	Request a quote
13-100L-07	Inner Frit for 100L Process Stainless Steel Column	Request a quote
13-010L-06	Outer Frit for 10L Process Stainless Steel Column	Request a quote
13-015L-06	Outer Frit for 15L Process Stainless Steel Column	Request a quote
13-020L-06	Outer Frit for 20L Process Stainless Steel Column	Request a quote
13-025L-06	Outer Frit for 25L Process Stainless Steel Column	Request a quote
13-030L-06	Outer Frit for 30L Process Stainless Steel Column	Request a quote
13-040L-06	Outer Frit for 40L Process Stainless Steel Column	Request a quote
13-050L-06	Outer Frit for 50L Process Stainless Steel Column	Request a quote
13-060L-06	Outer Frit for 60L Process Stainless Steel Column	Request a quote
13-070L-06	Outer Frit for 70L Process Stainless Steel Column	Request a quote
13-080L-06	Outer Frit for 80L Process Stainless Steel Column	Request a quote
13-090L-06	Outer Frit for 90L Process Stainless Steel Column	Request a quote
13-100L-06	Outer Frit for 100L Process Stainless Steel Column	Request a quote
13-050L-02	Collector Rod for 50L Process Stainless Steel Column	Request a quote
13-060L-02	Collector Rod for 60L Process Stainless Steel Column	Request a quote
13-070L-02	Collector Rod for 70L Process Stainless Steel Column	Request a quote
13-080L-02	Collector Rod for 80L Process Stainless Steel Column	Request a quote
13-090L-02	Collector Rod for 90L Process Stainless Steel Column	Request a quote
13-100L-02	Collector Rod for 100L Process Stainless Steel Column	Request a quote

SuperFlo Column Bubble Trap Spare Parts

<u>Catalog #</u>	<u>Description</u>	<u>Price</u>
13-100L-17-G	Bubble Trap Gaskets - Set of 4: 2 for top, 2 for bottom	Request a quote
13-100L-17-ST	Bubble Trap Sight Tube	Request a quote
13-100L-17-TG1.0	Bubble Trap Tri- clamp gaskets - 1" Set of 5	Request a quote
13-100L-17-TG1.5	Bubble Trap Tri- clamp gaskets - 1.5" Set of 5	Request a quote

SuperFlo Column Lifting Gear Spare Parts

<u>Catalog #</u>	<u>Description</u>	<u>Price</u>
13-100L-99	Lifting Gear for 100L Stainless Steel Column	Request a quote
13-100L-99-RC	Lifting Gear Rubber Cap - Set of 4	Request a quote
13-100L-99-G	Lifting Gear Gripper	Request a quote



Ordering Information

13-100L-99-HW	Lifting Gear Column Body Hardware -set of 4 (includes screw, washer, nut)	Request a quote
13-100L-99-K	Lifting Gear Knobs - Set of 8	Request a quote

SuperFlo Column Validation, ASME Certification and Factory Acceptance Test

<u>Catalog #</u>	<u>Description</u>	<u>Price</u>
13-100L-2S	ASME Certification for Stainless Steel SuperFlo Process Column (50L - 100L)	Request a quote
13-040L-2S	ASME Certification for Stainless Steel SuperFlo Process Column (10L - 40L)	Request a quote
13-100L-1C	CE Certification for PED 97/23/EC	Request a quote
13-100L-3D	Factory Acceptance Test for Stainless Steel SuperFlo Process Column (50L - 100L) DOCUMENTS ONLY	Request a quote
13-100L-3S	Factory Acceptance Test for Stainless Steel SuperFlo Process Column (50L - 100L) SERVICE ONLY	Request a quote
13-040L-3S	Factory Acceptance Test for Stainless Steel SuperFlo Process Column (10L - 40L) SERVICE ONLY	Request a quote
13-100L-1T	Installation, Commissioning and Training (On site) with additional charges for travel	Request a quote
13-100L-4S	Site Acceptance Test for Stainless Steel SuperFlo Process Column (50L - 100L)	Request a quote
13-100L-1S	Validation Package for Stainless Steel SuperFlo Process Column (50L - 100L)	Request a quote
13-040L-1S	Validation Package for Stainless Steel SuperFlo Process Column (10L - 40L)	Request a quote