

SUPRApak™ L-Series-SA Systems For SUPRApak Filter Modules

Description

The new SUPRApak filter systems provide a turn-key filtration solution utilizing patented SUPRApak technology, which will revolutionize depth filtration applications in the food and beverage industry and provide a cost-effective alternative to classical sheet filtration.

- Enclosed filter system with low hold-up volume minimizes product losses, contamination risk and personnel exposure
- High filter area in a compact footprint resulting in low investment cost
- Flexible modular design matches production volumes to equipment capacity
- Complete installation package allows quick integration into an existing system

Features and Benefits

- The basic SUPRApak L-Series-WA housing, supplied with surrounding piping and standard accessories forms the complete L-Series-SA package system ready for filtration
- Housing accommodates 1 to 6 SUPRApak depth filter modules, which represents up to 60 m² of effective filtration area
- Modular construction, featuring single or multi-segment sections provides flexibility
- Large, hydrodynamically designed inlet and outlet connections minimize pressure drop
- Dual inlet connections on sizes exceeding 2 modules high minimizes product mixing zones
- External tensioning device with preset torque limit provides secure operation without bypass
- Quick release vee band housing closure with integral safety device simplifies and safeguards handling
- Filter module lifting device eases filter installation and removal
- Design satisfies EC Pressure Equipment Directive (PED) 97/23/EC
- ATEX Group II Class 2 certification can be provided by specific order



SUPRApak Housing L-0421-SA system
with vertical riser and accessories

Assembly Specifications

Min/Max. Operating Pressure ¹	-1 to 8 bar (-14.5 to 116 psig)
Min/Max. Operating Temperature ¹	-10 to 150 °C (14 to 302 °F)
Materials of Construction ²	Wetted parts 316L stainless steel, PTFE with mica
Internal Surface Finish	≤0.8 micron Ra (≤32 Ra microinches), electropolished
	DN65 (DIN11851)
Inlet/Outlet	2.5" ISO 2852 triclamp compatible adapters available on request
Connections	12 mm (0.5 inch) hose tail (unfiltrate)
Vent	8 mm (0.3 inch) hose tail (filtrate)
Drain	20 mm (0.8 inch) hose tail
Housing Seals ³	EPDM

¹ Maximum operating pressure and temperature ratings are vessel ratings only. Safe operation will also depend on filter module and gasket use. EPDM assembly seals restrict continuous operating temperature to 130 °C (266 °F). See also Note 4 overleaf.

² PTFE/mica material meets FDA requirements for food contact use as detailed in 21 CFR Sections 177.1550 and 175.300.

³ Seal materials meet FDA requirements for food contact use as detailed in 21 CFR Section 177.2600.

Ordering Information

Part Number	Description	No. of SUPRApak Modules
20032081-SA	L-0100-SA	1
EA00056-SA	L-0200-SA *	2
20032080-SA	L-0210-SA	1 or 2
EA00057-SA	L-0300-SA *	3
20032079-SA	L-0311-SA	1, 2, or 3
20032078-SA	L-0320-SA	1 or 3
EA00058-SA	L-0400-SA *	4
20031651-SA	L-0421-SA	1, 2, 3, or 4
20032077-SA	L-0430-SA	1 or 4
EA00059-SA	L-0500-SA *	5
20032076-SA	L-0522-SA	1, 3, or 5
20032075-SA	L-0531-SA	1, 2, 4, or 5
20038489-SA	L-0632-SA	1, 3, 4, or 6

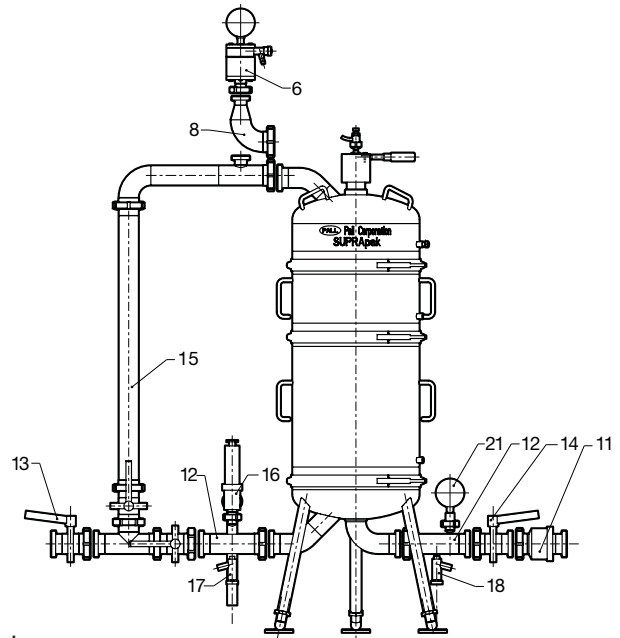
Optional Accessories for SUPRApak L-Series-SA Housings

Part Number	Description
20039080	Sight Glass
25590-0205-01	Triclamp Adapter (DN65 to 2.5" TC)
25590-0226	Hot Fluid Core
25590-0226-01	Hot Fluid Core Extension Z1
25590-0226-02	Hot Fluid Core Extension Z2
20040118-12	1-2 High Lifting Device
20040118-34	3-4 High Lifting Device
20040118-56	5-6 High Lifting Device

SUPRApak Lifting Device



Hooks grab the bottom of the SUPRApak module stack for easy handling



Notes:

1. SUPRApak L-Series -SA systems are supplied with the following standard accessories:

- L-0100, L-0200, L-0210: inlet/outlet butterfly valves (13/14), vent assembly with pressure gauge (6/8), safety valve with drain assembly (16/12/17), downstream drain assembly with pressure gauge (12/18/21), downstream non-return valve (11)
- L-0300 and larger units: inlet/outlet butterfly valves (13/14), vertical riser pipe with butterfly valves (15), vent assembly with pressure gauge (6), safety valve with drain assembly (16/12/17), downstream drain assembly with pressure gauge (12/18/21), downstream non-return valve (11)



SUPRApak-L-0210-SA system with venting elbow and accessories

- Housings marked * contain no intermediate segments, and are available in 2-5 module high configurations.
- TUV certified housings require TUV rerating when new intermediate segments are added after original supply.
- For hot fluid filtration (>40 °C / >104 °F), select Hot Fluid Core for the lowest module, and add extension pieces Z1 (1-high section) and/or Z2 (2-high sections) as required.



Stainless steel core



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