

**SUCTION FILTERS & STRAINERS WITH RELIEF VALVE**

**EPOXY BONDED**

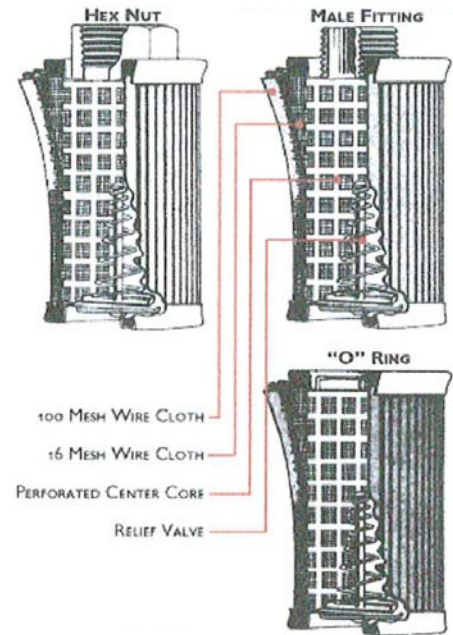
These filters are identical to the full flow design shown on the Technical Data Sheet C-103, except a relief valve has been incorporated into the unit to prevent pump starvation caused by high oil (fluid) viscosity and/or excessive contamination build-up on the filtering medium.

The relief valve will actuate when its setting has been exceeded, allowing unfiltered oil (fluid) to enter the hydraulic system, and will reseal when the vacuum at the pump inlet is below the relief valve setting.

Inquiries for additional information covering the full flow or the relief valve design filter/strainer will receive immediate attention and reply.

When ordering suction filters/strainers - full flow or with relief valve - use the filter number as shown in the technical data charts for the applicable filter desired.  
Example: You require a 20 G.P.M. immersible suction filter with a 1 1/4" N.P.T. female connection, 141 micron particle retention and a relief valve set to open at 5"Hg.... **Order #22111 FILTER/STRAINER.**

**We will gladly furnish a unit for inspection, test, and evaluation at no cost to you!!**



\*Standard Filtering Media Sizes Available: 30 Mesh, 60 Mesh, 100 Mesh, 200 Mesh.  
Special Mesh Sizes Available Upon Request.

**Technical Data**

Filter Number	Rated Capacity I.E..	Connection		*Stainless Steel Filtering Media	Dimensions		Diff. Drop Across Filter Inches of Hg	Approx. Ship Weight
		Size	Type		Diameter	Height		
00211	5	1/2" N.P.T	Male Fitting	100 Mesh	2 15/16"	4 7/16"	0.64	.7 lbs.
04111	5	3/4" N.P.T.	Hex Nut	100 Mesh	2 15/16"	4 5/8"	0.46	.8 lbs.
04211	5	3/4" N.P.T.	Male Fitting	100 Mesh	2 15/16"	4 7/16"	0.46	.7 lbs.
11111	10	1" N.P.T.	Hex Nut	100 Mesh	2 15/16"	5 3/16"	0.64	1.1 lbs.
11211	10	1" N.P.T.	Male Fitting	100 Mesh	2 15/16"	4 15/16"	0.64	.9 lbs.
11311	10	1 5/16" O.D. Tube	O-Ring	100 Mesh	2 15/16"	4 9/16"	0.66	.8 lbs.
22111	20	1 1/4" N.P.T.	Hex Nut	100 Mesh	3 3/8"	7 11/16"	0.46	1.8 lbs.
22211	20	1 1/4" N.P.T.	Male Fitting	100 Mesh	3 3/8"	7 7/16"	0.46	1.4 lbs.
22311	20	1 5/16" O.D. Tube	O-Ring	100 Mesh	3 3/8"	7 1/16"	0.48	1.4 lbs.
33111	30	1 1/2" N.P.T.	Hex Nut	100 Mesh	3 5/8"	8 3/4"	0.60	2.1 lbs.
33211	30	1 1/2" N.P.T.	Male Fitting	100 Mesh	3 5/8"	8 7/16"	0.60	1.7 lbs.
33311	30	1 7/8" O.D. Tube	O-Ring	100 Mesh	3 5/8"	8 1/16"	0.62	1.7 lbs.
53111	50	1 1/2" N.P.T.	Hex Nut	100 Mesh	4 1/4"	9 3/4"	1.28	2.7 lbs.
53211	50	1 1/2" N.P.T.	Male Fitting	100 Mesh	4 1/4"	9 7/16"	1.28	2.2 lbs.
53311	50	1 7/8" O.D. Tube	O-Ring	100 Mesh	4 1/4"	9 1/16"	1.52	2.2 lbs.
55111	50	2" N.P.T.	Hex Nut	100 Mesh	4 1/4"	9 13/16"	0.58	2.9 lbs.
55211	50	2" N.P.T.	Male Fitting	100 Mesh	4 1/4"	9 1/2"	0.58	2.3 lbs.
55311	50	2 3/8" O.D. Tube	O-Ring	100 Mesh	4 1/4"	9 1/16"	0.60	2.3 lbs.
66111	75	2 1/2" N.P.T.	Hex Nut	100 Mesh	4 13/16"	11 1/8"	0.64	3.8 lbs.
77111	100	3" N.P.T.	Hex Nut	100 Mesh	5 11/16"	12 1/4"	0.64	5.3 lbs.

Filtering Media: 100 Mesh (141 Micron Nominal) Stainless Steel Wire Cloth Backed With 16 Mesh Wire Cloth.  
Differential Drop at Rated Capacity using 225 SSU (Approximately) Petroleum Base Oil at Five Feet Per Second.  
Relief Valve set to open at 5" Hg ± 10% Vacuum Differential - Other settings are available.

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