



# Suction Strainers

## Specifications

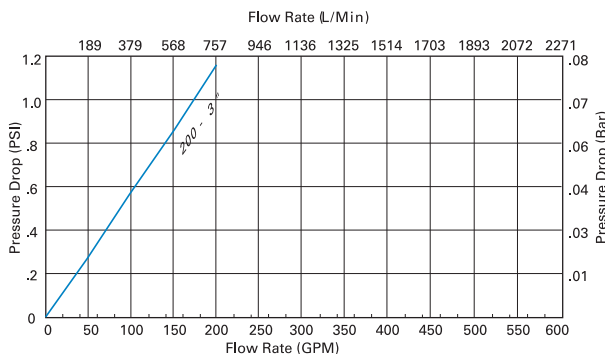
- Flow Range: 0-300 gpm / 0-1,140 lpm
- Outlet Port Size: 3/8" NPT to 4" NPT
- Stainless Steel Mesh
- Steel or nylon fittings
- Operating temperatures:  
Steel fitting to 250°F / 121°C  
Nylon fitting to 210°F / 100°C
- Relief valve available



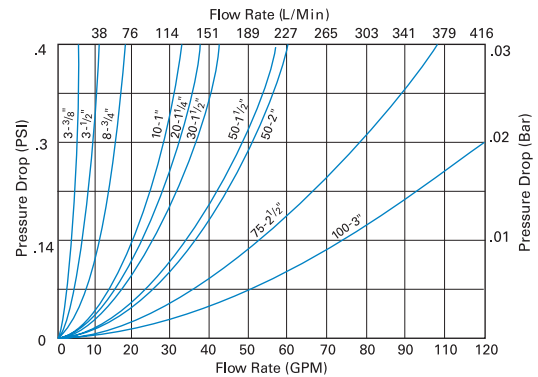
## Features

Donaldson suction strainers are zinc-plated, with stainless steel mesh screens and rugged steel core centers epoxy bonded to heavy gauge connector and end caps. Suction strainers filter petroleum-based hydraulic fluids, phosphate esters, water glycols, lubricating oils, coolants, and fuels in fluid reservoirs, sumps and similar applications. They are cleanable and reusable. Clean by swishing in non-caustic solvent, then blow dry from inner diameter to outer diameter with compressed air.

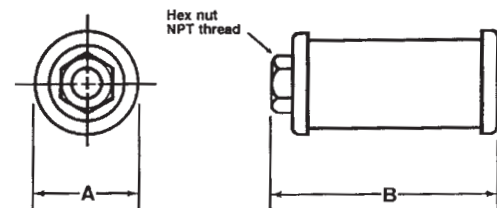
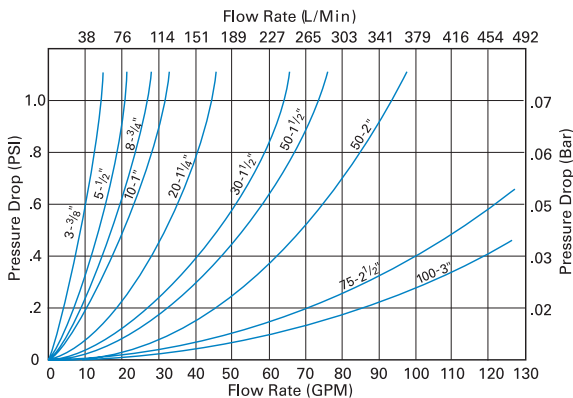
**SEC (Steel Fitting) 200-300**



**PEC (Nylon Fitting) 3-100**



**SEH/SEC (Steel Fitting) 3-100**



Note:  
PEC and SEH model strainers have hex nut style outlet fittings. SEC model strainers have pipe coupling style (round) outlet fittings. All styles have NPT threads inside. Mount a minimum of 4" from the reservoir bottom.



### Suction Strainer Choices

	Part No.	Description	Relief Valve Setting	Outlet Pipe Size	Wire Mesh Size	Dim. A (in/mm)	Dim. B (in/mm)	Screen Area (in <sup>2</sup> /cm <sup>2</sup> )	Max. Flow (gpm/lpm)
NYLON FITTING	P562235	PEC-3-3/8-100	n/a	3/8" NPT	100	1.9/48	2.7/69	20/129	3/11
	P562240	PEC-5-1/2-100	n/a	1/2" NPT	100	1.9/48	4.3/109	25/161	5/19
	P562245	PEC-8-3/4-100	n/a	3/4" NPT	100	2.7/69	4.3/109	40/258	8/30
	P562246	PEC-8-3/4-100-RV3	3 psid / 0.2 bar	3/4" NPT	100	2.7/69	4.3/109	40/258	8/30
	P562244	PEC-8-1-100	n/a	1" NPT	100	2.7/69	4.3/109	40/258	8/30
	P562226	PEC-10-1-100	n/a	1" NPT	100	2.7/69	5.6/142	70/452	10/38
	P562227	PEC-10-1-100-RV3	3 psid / 0.2 bar	1" NPT	100	2.7/69	5.6/142	70/452	10/38
	P562228	PEC-20-1.1/4-100	n/a	1-1/4" NPT	100	3.4/86	5.6/142	128/826	20/75
	P562229	PEC-20-1.1/4-100-RV3	3 psid / 0.2 bar	1-1/4" NPT	100	3.4/86	5.6/142	128/826	20/75
	P562231	PEC-20-1.1/4-200	n/a	1-1/4" NPT	200	3.4/86	5.6/142	128/826	20/75
	P562232	PEC-30-1.1/2-100	n/a	1-1/2" NPT	100	3.4/86	5.6/142	128/826	30/113
	P562233	PEC-30-1.1/2-100-RV3	3 psid / 0.2 bar	1-1/2" NPT	100	3.4/86	5.6/142	128/826	30/113
	P562236	PEC-50-1.1/2-100	n/a	1-1/2" NPT	100	4/102	8/203	200/1290	50/188
	P562237	PEC-50-1.1/2-100-RV3	3 psid / 0.2 bar	1-1/2" NPT	100	4/102	8/203	200/1290	50/188
	P562238	PEC-50-2-100	n/a	2" NPT	100	4/102	10.4/264	200/1290	50/188
	P562239	PEC-50-2-100-RV3	3 psid / 0.2 bar	2" NPT	100	4/102	10.4/264	200/1290	50/188
	P562242	PEC-75-2.1/2-100	n/a	2-1/2" NPT	100	5.2/132	8.5/216	316/2039	75/282
	P562243	PEC-75-2.1/2-100-RV3	3 psid / 0.2 bar	2-1/2" NPT	100	5.2/132	8.5/216	316/2039	75/282
P562223	PEC-100-3-100	n/a	3" NPT	100	5.2/132	11.5/292	379/2445	100/376	
P562224	PEC-100-3-100-RV3	3 psid / 0.2 bar	3" NPT	100	5.2/132	11.5/292	379/2445	100/376	
P562225	PEC-100-3-100-SST	n/a	3" NPT	100	5.2/132	11.5/292	379/2445	100/376	
STEEL FITTING	P562221	SEH-3-3/8-100	n/a	3/8" NPT	100	1.9/48	2.5/64	34/219	3/11
	P169012	SEH-5-1/2-100	n/a	1/2" NPT	100	2.63/67	3.1/79	62/400	5/19
	P563305	SEH-5-1/2-100-RV3	3 psid / 0.2 bar	1/2" NPT	100	2.7/69	3.1/79	62/400	5/19
	P169013	SEH-8-3/4-100	n/a	3/4" NPT	100	2.63/67	3.55/90	68/439	8/30
	P173910	SEH-8-3/4-100-RV3	3 psid / 0.2 bar	3/4" NPT	100	2.63/67	3.55/90	68/439	8/30
	P169014	SEH-10-1-100	n/a	1" NPT	100	2.63/67	5.35/136	110/710	10/38
	P173911	SEH-10-1-100-RV3	3 psid / 0.2 bar	1" NPT	100	2.63/67	5.35/136	110/710	10/38
	P169015	SEH-20-1.1/4-100	n/a	1-1/4" NPT	100	3.38/86	6.85/174	162/1045	20/75
	P173912	SEH-20-1.1/4-100-RV3	3 psid / 0.2 bar	1-1/4" NPT	100	3.38/86	6.85/174	162/1045	20/75
	P169016	SEH-30-1.1/2-100	n/a	1-1/2" NPT	100	3.38/86	8.01/203	225/1452	30/113
	P173913	SEH-30-1.1/2-100-RV3	3 psid/0.2 bar	1-1/2" NPT	100	3.38/86	8.01/203	225/1452	30/113
	P169017	SEH-50-1.1/2-100	n/a	1-1/2" NPT	100	3.94/100	9.8/249	340/2194	50/188
	P173914	SEH-50-1.1/2-100-RV3	3 psid / 0.2 bar	1-1/2" NPT	100	3.94/100	9.8/249	340/2194	50/188
	P562222	SEH-50-1.1/2-60	n/a	1-1/2" NPT	60	3.94/100	9.8/249	340/2194	50/188
	P169018	SEH-50-2-100	n/a	2" NPT	100	3.94/100	9.8/249	340/2194	50/188
	P173915	SEH-50-2-100-RV3	3 psid / 0.2 bar	2" NPT	100	3.94/100	9.8/249	340/2194	50/188
	P169019	SEC-75-2.1/2-100	n/a	2-1/2" NPT	100	5.12/130	10.1/257	400/2581	75/282
	P173916	SEC-75-2.1/2-100-RV3	3 psid / 0.2 bar	2-1/2" NPT	100	5.12/130	10.1/257	400/2581	75/282
	P169020	SEC-100-3-100	n/a	3" NPT	100	5.12/130	11.78/299	500/3226	100/376
	P173917	SEC-100-3-100-RV3	3 psid / 0.2 bar	3" NPT	100	5.12/130	11.78/299	500/3226	100/376
	P562211	SEC-100-3-60	n/a	3" NPT	60	5.12/130	11.78/299	500/3226	100/376
	P562212	SEC-100-3-60-RV3	3 psid / 0.2 bar	3" NPT	60	5.12/130	11.78/299	500/3226	100/376
	P562213	SEC-200-3-100	n/a	3" NPT	100	8.1/206	11.3/287	965/6226	200/752
	P562214	SEC-300-4-100	n/a	4" NPT	100	8.1/206	15/381	1370/8839	300/1128
	P171861	FIOA 20	n/a	G3/8"	90 micron	2.05/52	3.03/77	29/184	2.7/10
	P171869	FIOA 50	n/a	G3/4"	90 micron	2.95/75	3.74/95	54/348	6.6/25
P171877	FIOA 90	n/a	G1"	90 micron	2.95/75	5.55/141	86/554	12.0/45	
P171885	FIOA 130	n/a	G1 1/4"	90 micron	3.74/95	7.24/184	173/65	17.3/65	
P171889	FIOA 175	n/a	G1 1/2"	90 micron	5.51/140	4.45/113	183/1178	22.6/85	