

HYDRAULIC FILTERS: HOUSINGS & ELEMENTS

Clean hydraulic oil is an essential part of your hydraulic system to ensure maximum efficiency and avoid unnecessary wear and tear on your machineries hydraulic circuit. High performance is assured with simple maintenance of your filters. This also extends the useful life of the hydraulic oil.

FILLER & TANK BREATHERS



Breathers allow the level in your tank to move without allowing large damaging particles from the air outside into the tank. They also allow you to fill and top up your system safely.

Specifications:

Part Number	Description	No of Holes	Flow l/pm	A mm	B mm	C mm
P17 1855	Filler Breather	6	500	70	100	38
P17 1849	Filler Breather	6	470	70	100	38
P17 1848	Filler Breather	3	270	45	63	28
P17 1847	Filler Breather	3	270	45	63	28

A - Diameter of Filler Cap

B - Length of filter mesh

C - Diameter of filter mesh

Specifications:

PART NUMBER	DESCRIPTION	BSP" (MALE)	OD mm
P172367	TANK BREATHER	¾	96
P172369	TANK BREATHER	1 ¼	126
P172377	TANK BREATHER	1 ¼	126
D101	DESSICANT BREATHER	PUSH FIT	127
FS207	TANK BREATHER	¾	100
L1.0503.00	TANK BREATHER	PUSH FIT	40
P564669	T.R.AP. BREATHER	1	108

For more information on filler and tank breathers give us a call.



SUCTION FILTERS/STRAINERS



Suction filters play a vital role in removing some of the larger contaminants from your hydraulic oil preventing them from blocking or damaging the pump. They also extend the life of your filters further in the circuit as a result.

Specifications:

Part Number Without by-pass	Flow Rate	BSP	Micron	Length Inc. Thread mm	Length Excl. Thread mm	OD mm
SH-77428	5	1/4	125	56	50	32
SH-77436	10	3/8	125	75	67	32
SH-77001	15	1/2	125	102	95	44
SH-77007	25	3/4	125	112	95	63
SH-77002	50	1	125	140	125	62
SH-77001	130	1 1/2	125	210	195	95
SH-77009	95	1 1/2	125	140	125	80
SH-77004	180	2	125	241	220	95
SH-77013	225	2	125	168	150	165
SH-77014	350	2 1/2	125	225	170	165
SH-77006	500	3	125	280	170	165

PART NUMBER	FLOW RATE l/m	BSP"	OUTER DIA. mm	LENGTH mm	MICRON
P171861	10	3/8	52	68	90
P171865	17	1/2	69	76	90
P171869	25	3/4	75	83	90
P171873	43	1	95	83	90
P171877	45	1	75	131	90
P171885	65	1 1/4	95	172	90
P171889	85	1 1/2	140	98	90
P172452	90	1 1/2	95	205	90
P760151	110	2	101	205	90
P171893	116	2	140	138	90
P171897	186	2	140	205	90
P171901	250	2	140	301	90
P171905	300	2 1/2	140	301	90
P171909	400	3	140	301	90



SUCTION FILTERS/STRAINERS



PART NUMBER	FLOW RATE l/m	BSP"	OUTER DIA. mm	LENGTH mm	MICRON
P171863	10	3/8	52	68	60
P171867	17	1/2	69	76	60
P171871	25	3/4	75	83	60
P171875	43	1	95	83	60
P171879	45	1	75	131	60
P171887	65	1 1/4	95	172	60
P171891	85	1 1/2	140	98	60
P172454	90	1 1/2	95	205	60
P760173	110	2	101	205	60
P171895	116	2	140	138	60
P171899	186	2	140	205	60
P171903	250	2	140	301	60
P171907	300	2 1/2	140	301	60
P171911	400	3	140	301	60

PART NUMBER	FLOW RATE l/m	BSP"	OUTER DIA. mm	LENGTH mm	MICRON
P171862	5	3/8	52	68	30
P171866	9	1/2	69	76	30
P171870	13	3/4	75	83	30
P171874	20	1	95	83	30
P171878	25	1	75	131	30
P171886	35	1 1/4	95	172	30
P171890	45	1 1/2	140	98	30
P172453	50	1 1/2	95	205	30
P760175	55	2	101	205	30
P171894	60	2	140	138	30
P171898	90	2	140	205	30
P171902	120	2	140	301	30
P171906	150	2 1/2	140	301	30
P171910	200	3	140	301	30

The 90 and 60 Micron filter elements have a wire mesh media. The 30 micron filter elements are cellulose media.



HIGH PRESSURE HOUSINGS & FILTERS



High pressure filter housings allow fine filtering of your hydraulic oil under normal working pressure removing all contaminants at 25, 10 and 5 microns (based on type of housing and element being used).

AP220 HOUSINGS AT 25 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020173	50	½	P169797	420
K020177	90	¾	P169450	420

AP220 HOUSINGS AT 10 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020172	40	½	P169447	420
K020176	80	¾	P169449	420

AP220 HOUSINGS AT 5 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020171	30	½	P169446	420
K020175	70	¾	P169798	420

AP280 HOUSINGS AT 25 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020104	30	½	P171715	420
K020110	50	½	P165136	420
K020116	90	¾	P165138	420

AP280 HOUSINGS AT 10 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020103	30	½	P171714	420
K020109	50	½	P165006	420
K020115	90	¾	P165015	420

AP280 HOUSINGS AT 5 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K020169	20	½	P171713	420
K020108	40	½	P165041	420
K020114	70	¾	P165043	420



HIGH PRESSURE HOUSINGS & FILTERS



AP420 HOUSINGS AT 25 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030286	50	½	P171733	420
K030289	80	¾	P171736	420
K030292	80	¾ SAE 6000	P171736	420
K030295	120	1	P171739	420
K030298	120	1 SAE 6000	P171739	420
K040676	180	1 ¼	P171742	420
K040679	180	1 ¼ SAE 6000	P171742	420
K040682	300	1 ½	P171745	420
K040685	300	1 ½ SAE 6000	P171745	420
K040688	400	1 ½	P171748	420
K040691	400	1 ½ SAE 6000	P171748	420

AP420 HOUSINGS AT 10 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030285	50	½	P171732	420
K030288	80	¾	P171735	420
K030291	80	¾ SAE 6000	P171735	420
K030294	120	1	P171738	420
K030297	120	1 SAE 6000	P171738	420
K040675	180	1 ¼	P171741	420
K040678	180	1 ¼ SAE 6000	P171741	420
K040681	300	1 ½	P171744	420
K040684	300	1 ½ SAE 6000	P171744	420
K040687	400	1 ½	P171747	420
K040690	400	1 ½ SAE 6000	P171747	420

AP420 HOUSINGS AT 5 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030284	40	½	P171731	420
K030287	60	¾	P171734	420
K030290	60	¾ SAE 6000	P171734	420
K030293	80	1	P171737	420
K030296	80	1 SAE 6000	P171737	420
K040674	160	1 ¼	P171740	420
K040677	160	1 ¼ SAE 6000	P171740	420
K040680	270	1 ½	P171743	420
K040683	270	1 ½ SAE 6000	P171743	420
K040686	320	1 ½	P171746	420
K040689	320	1 ½ SAE 6000	P171746	420



RETURN LINE HOUSINGS

Return line hydraulic housings clean the oil after it has passed through the working hydraulic circuit making sure any particles produced during use are removed before the oil returns to the hydraulic tank.

FIO WIRE MESH MEDIA – 90 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030207	20	3/8	P171500	10
K030213	30	1/2	P171500	10
K040506	50	1/2	P171518	10
K040512	60	3/4	P171524	10
K040518	80	3/4	P171530	10
K040500	100	1	P171530	10
K051109	150	1	P171536	10
K051115	180	1 1/4	P171536	10
K070003	200	1 1/4	P171542	10
K070009	250	1 1/2	P171548	10
K070015	330	1 1/2	P171554	10
K070021	330	1 1/2	P171560	10
K070027	500	2	P171566	10
K070033	600	2	P171572	10
K070039	800	2	P171578	10

FIO WIRE MESH MEDIA – 60 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030212	20	3/8	P171505	10
K030218	30	1/2	P171505	10
K040511	50	1/2	P171523	10
K040517	60	3/4	P171529	10
K040523	80	3/4	P171535	10
K040505	100	1	P171535	10
K051114	150	1	P171541	10
K051120	180	1 1/4	P171541	10
K070008	200	1 1/4	P171547	10
K070014	250	1 1/2	P171553	10
K070020	330	1 1/2	P171559	10
K070026	330	1 1/2	P171565	10
K070032	500	2	P171571	10
K070038	600	2	P171577	10
K070044	800	2	P171583	10



RETURN LINE HOUSINGS & FILTERS

FIO CELLULOSE MEDIA – 30 MICRON NOMINAL

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030211	15	3/8	P171504	10
K030217	20	1/2	P171504	10
K040510	35	1/2	P171522	10
K040516	40	3/4	P171528	10
K040522	55	3/4	P171534	10
K040504	65	1	P171534	10
K051113	100	1	P171540	10
K051119	120	1 1/4	P171540	10
K070007	140	1 1/4	P171546	10
K070013	160	1 1/2	P171522	10
K070019	200	1 1/2	P171558	10
K070025	200	1 1/2	P171564	10
K070031	400	2	P171570	10
K070037	500	2	P171576	10
K070043	600	2	P171582	10

FIO CELLULOSE MEDIA – 10 MICRON NOMINAL

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030210	15	3/8	P171503	10
K030216	20	1/2	P171503	10
K040509	35	1/2	P171521	10
K040515	40	3/4	P171527	10
K040521	55	3/4	P171533	10
K040503	65	1	P171533	10
K051112	100	1	P171539	10
K051118	120	1 1/4	P171539	10
K070006	140	1 1/4	P171545	10
K070012	160	1 1/2	P171551	10
K070018	200	1 1/2	P171557	10
K070024	200	1 1/2	P171563	10
K070030	400	2	P171569	10
K070036	500	2	P171575	10
K070042	600	2	P171581	10



RETURN LINE HOUSINGS & FILTERS

FIO SYNTHETIC MEDIA - 25 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030209	10	3/8	P171502	10
K030215	15	1/2	P171502	10
K040508	30	1/2	P171520	10
K040514	35	3/4	P171526	10
K040520	50	3/4	P171532	10
K040502	60	1	P171532	10
K051111	90	1	P171538	10
K051117	110	1 1/4	P171538	10
K070005	130	1 1/4	P171544	10
K070011	140	1 1/2	P171550	10
K070017	180	1 1/2	P171556	10
K070023	180	1 1/2	P171562	10
K070029	350	2	P171568	10
K070035	400	2	P171574	10
K070041	500	2	P171580	10

FIO SYNTHETIC MEDIA - 10 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030208	10	3/8	P171501	10
K030214	15	1/2	P171501	10
K040507	30	1/2	P171519	10
K040513	35	3/4	P171525	10
K040519	50	3/4	P171531	10
K040501	60	1	P171531	10
K051110	90	1	P171537	10
K051116	110	1 1/4	P171537	10
K070004	130	1 1/4	P171543	10
K070010	140	1 1/2	P171549	10
K070016	180	1 1/2	P171555	10
K070022	180	1 1/2	P171561	10
K070028	350	2	P171567	10
K070034	400	2	P171573	10
K070040	500	2	P171579	10



RETURN LINE HOUSINGS & FILTERS

FIS WIRE MESH MEDIA – 90 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030304	20	3/8	P171829	10
K030305	40	1/2	P171830	10
K040758	60	3/4	P171524	10
K040759	100	1	P171530	10
K040760	150	1 1/4	P171831	10

FIS WIRE MESH MEDIA – 60 MICRON

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030306	20	3/8	P171832	10
K030307	40	1/2	P171833	10
K040761	60	3/4	P171529	10
K040762	100	1	P171535	10
K040763	150	1 1/4	P171834	10

FIS CELLULOSE MEDIA – 10 MICRON NOMINAL

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030310	15	3/8	P171838	10
K030311	30	1/2	P171839	10
K040767	40	3/4	P171527	10
K040768	65	1	P171533	10
K040769	120	1 1/4	P171840	10

FIS SYNTHETIC MEDIA – 25 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030312	10	3/8	P171841	10
K030313	25	1/2	P171842	10
K040770	35	3/4	P171526	10
K040771	60	1	P171532	10
K040772	110	1 1/4	P171843	10

FIS SYNTHETIC MEDIA – 10 MICRON ABSOLUTE

PART NO.	FLOW RATE l/m	BSP"	ELEMENT	MAX. PRESSURE
K030314	10	3/8	P171844	10
K030315	25	1/2	P171845	10
K040773	35	3/4	P171525	10
K040774	60	1	P171531	10
K040775	110	1 1/4	P171846	10