

# Filters

Filtration can be carried out either at source, in line or with an integral nozzle filter.

Nozzles with built-in filters prevent debris from entering the orifice or vane and disrupting the spray.

A range of mesh sizes and materials are available to suit different holders and fluids.

# Nozzle Filters

## Filter Mesh Reference Chart

Compatible with most common types of nozzle holders, Hypro nozzle filters are colour coded for easy identification.

Mesh (ISO 19732 standard colour)	Mesh Opening (Microns)	Wire Diameter (Microns)	Ratio of Mesh Opening Surface to Mesh Total Surface %	Material
16	980	490	44.4	Polypropylene
16	1320	220	73.3	Stainless Steel
32	500	320	37.1	Polypropylene
32	594	200	55.3	Stainless Steel
50	365	140	50.8	Stainless Steel
80	229	80	55.7	Stainless Steel
100	173	80	46.4	Stainless Steel
120	134	70	43	Polyamide
120	144	70	45.4	Stainless Steel
150	96	65	35	Polyamide
150	114	70	42.4	Stainless Steel
200	80	50	37	Polyamide
200	76	50	36.2	Stainless Steel

## Ball Check Filters (Anti-Drip)



Material	Part Number	Mesh	Gauge	Colour
Acetal with stainless steel screen.	32100530	30	Coarse	Red
	32100550	50	Medium	Blue
	32100510	100	Fine	Green
	32100520	200	Very Fine	Yellow

## Standard Filter



Material	Part Number	Mesh	Gauge	Colour
Acetal with stainless steel screen	32100050	50	Medium	Blue
	32100010	100	Fine	Green
	32100020	200	Very Fine	Pink

## Standard Filter (Moulded)



Material	Part Number	Mesh	Gauge	Colour
Polpropylene	T501-50	50	Medium	Blue
	T501-100	100	Fine	Green

## Cup Filter (Copper Flange)



Material	Part Number	Mesh	Gauge
Copper flange and stainless steel screen	32100630	30	Coarse
	32100650	50	Medium
	32100610	100	Fine
	32100620	200	Very Fine

## Cup Filter (Nylon Flange)



Material	Part Number	Mesh	Gauge	Colour
Nylon flange and stainless steel screen	3230A245	30	Coarse	Red
	3250A245	50	Medium	Blue
	3210A245	100	Fine	Green

## Cup Filter (Moulded)



Material	Part Number	Mesh	Gauge	Colour
Polypropylene	3210063P	30	Coarse	Red
	3210065P	50	Medium	Blue

## Nylon Suction Filters



Part Number	Thread	Screen	Estimated Weight
3350-0069	¼" NPT (M)	50-mesh nylon	114 g
3350-0032	¾" hose barb (all nylon)	50-mesh nylon	114 g
3350-0077	garden hose (M)	50-mesh nylon	114 g

## Polypropylene Line Filters

5.5 bar at 21°C. All ½", ¾", 1¼" and 1½" have internal (NPT) female ports, polypropylene cap and bowl.



Complete Parts		Replacement Parts for Nylon Line Filters				
Part Number	NPT Threads	Cap	Bowl	Screen	Mesh	Gasket
3350-0085A	¼" I.D. (F) & ½" O.D. (M)	3351-0035	3351-0036	3800-0048	20 s.s.	1700-0090 EPDM
3350-0079A		3351-0035	3351-0036	3800-0046	50 s.s.	1700-0090 EPDM
3350-0082A	½"	3351-0035	3351-0036	3800-0047	80 s.s.	1700-0090 EPDM
3350-0056A		3351-0037	3351-0039	3800-0029	20 s.s.	1700-0091 EPDM
3350-0046A	¾"	3351-0037	3351-0039	3800-0025	50 s.s.	1700-0091 EPDM
3350-0043A		3351-0037	3351-0039	3800-0026	80 on 20 s.s.	1700-0091 EPDM
3350-0040A	1"	3351-0038	3351-0039	3800-0029	20 s.s.	1700-0091 EPDM
3350-0034A		3351-0038	3351-0039	3800-0025	50 s.s.	1700-0091 EPDM
3350-0035A	1¼"	3351-0038	3351-0039	3800-0026	80 on 20 s.s.	1700-0091 EPDM
3350-0057A		3351-0040	3351-0043	3800-0040	20 s.s.	1700-0092 EPDM
3350-0058A	1½"	3351-0040	3351-0043	3800-0041	50 s.s.	1700-0092 EPDM
3350-0059A		3351-0040	3351-0043	3800-0042	80 on 20 s.s.	1700-0092 EPDM
3350-0071A	1"	3351-0041	3351-0043	3800-0043	20 s.s.	1700-0092 EPDM
3350-0072A		3351-0041	3351-0043	3800-0044	50 s.s.	1700-0092 EPDM
3350-0073A	1¼"	3351-0041	3351-0043	3800-0044	50 s.s.	1700-0092 EPDM
3350-0073A		3351-0041	3351-0043	3800-0045	80 on 20 s.s.	1700-0092 EPDM
3350-0112A	1½"	3351-0042	3351-0043	3800-0065	20 s.s.	1700-0092 EPDM
3350-0113A		3351-0042	3351-0043	3800-0066	50 s.s.	1700-0092 EPDM
3350-0114A	3351-0042	3351-0043	3800-0067	80 on 20 s.s.	1700-0092 EPDM	

## Polypropylene Line Filters

14 bar at 21°C



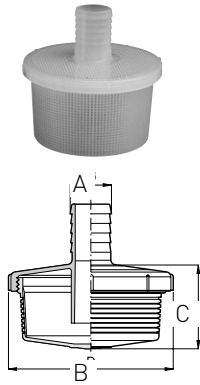
NPT Part Number	BSP Part Number	Max. PSI	Threads	Screen Size/Ref. Colour	Screen
3350-0142N	3350-0142B	150	½" FNPT	32 Mesh/White	3800-0086
3350-0143N	3350-0143B			50 Mesh/Blue	3800-0087
3350-0144N	3350-0144B			80 Mesh/Gray	3800-0088
3350-0145N	3350-0145B			100 Mesh/Red	3800-0089
3350-0146N	3350-0146B	200	¾" FNPT	32 Mesh/White	3800-0086
3350-0147N	3350-0147B			50 Mesh/Blue	3800-0087
3350-0148N	3350-0148B			80 Mesh/Gray	3800-0088
3350-0149N	3350-0149B			100 Mesh/Red	3800-0089
3350-0150N	3350-0150B	200	1" FNPT	32 Mesh/White.	3800-0090
3350-0151N	3350-0151B			50 Mesh/Blue	3800-0091
3350-0152N	3350-0152B			80 Mesh/Gray	3800-0092
3350-0153N	3350-0153B			100 Mesh/Red	3800-0093
3350-0162N**	3350-0162B	200	1" FNPT	32 Mesh/White	3800-0090
3350-0163N**	3350-0163B			50 Mesh/Blue	3800-0091
3350-0164N**	3350-0164B			80 Mesh/Gray	3800-0092
3350-0165N**	3350-0165B			100 Mesh/Red	3800-0093
3350-0154N	3350-0154B	215	1¼" FNPT	32 Mesh/White	3800-0094
3350-0155N	3350-0155B			50 Mesh/Blue	3800-0095
3350-0156N	3350-0156B			80 Mesh/Gray	3800-0096
3350-0157N	3350-0157B			100 Mesh/Red	3800-0097
3350-0166N**	3350-0166B	215	1¼" FNPT	32 Mesh/White	3800-0094
3350-0167N**	3350-0167B			50 Mesh/Blue	3800-0095
3350-0168N**	3350-0168B			80 Mesh/Gray	3800-0096
3350-0169N**	3350-0169B			100 Mesh/Red	3800-0097
3350-0158N	3350-0158B	215	1½" FNPT	32 Mesh/White	3800-0094
3350-0159N	3350-0159B			50 Mesh/Blue	3800-0095
3350-0160N	3350-0160B			80 Mesh/Gray	3800-0096
3350-0161N	3350-0161B			100 Mesh/Red	3800-0097
3350-0170N**	3350-0170B	215	1½" FNPT	32 Mesh/White	3800-0094
3350-0171N**	3350-0171B			50 Mesh/Blue	3800-0095
3350-0172N**	3350-0172B			80 Mesh/Gray	3800-0096
3350-0173N**	3350-0173B			100 Mesh/Red	3800-0097

\*\*Self cleaning model

# Filters

## Foot Filters

First stage filtration with coarse mesh to prevent very large particles being drawn from tank. Hose tail connection.



Part Number	A (mm)	B (mm)	C (mm)
08302019*	19	60	47
08302115	15	100	54
08302120	20	100	54
08302122	22	100	54
08302125	25	100	54
08302225	25	125	76
08302230	30	125	76
08302330	30	150	96
08302335	35	150	96
08302340	40	150	96
08302350	50	150	96
08302-05	G1¼ (male BSP thread)		150

\* Non-return valve version 08302019.1.

## Compact Foot Filters

Polypropylene body and mesh with non-return valve. Male BSP threaded.



Part Number	Port BSP (M)	Mesh
0831A367	1¼"	16
0831A368	1½"	16
0831A367	2"	16

## Nylon Line Filters (NPT Threads)

Second stage filtration. Maximum pressure 10 bar at 21° C, 7 bar at 50° C. White polyamide bowl standard.



Complete Filters		Replacement Filter Components				
Part Number	NPT Threads	Cap	Bowl	Screen	Mesh	Gasket
3350-0085	¼" I.D. (F) ½" O.D. (M)	3351-0022	3351-0020 (Clear)	3800-0022	20 s.s.	1700-0064 Buna-N
3350-0085F		3351-0022		3800-0048	20 s.s.	1700-0065 Viton
3350-0079		3351-0022		3800-0046	50 s.s.	1700-0064 Buna-N
3350-0079F		3351-0022		3800-0046	50 s.s.	1700-0065 Viton
3350-0082		3351-0022		3800-0047	80 s.s.	1700-0064 Buna-N
3350-0082F		3351-0022		3800-0047	80 s.s.	1700-0065 Viton
3350-0056	½" (F)	3351-0007	3351-0005 (White) or 3351-0015* (Clear)	3800-0029	20 s.s.	1700-0044 Buna-N
3350-0131		3351-0007		3800-0029	20 s.s.	1700-0045 Viton
3350-0046		3351-0007		3800-0025	50 s.s.	1700-0044 Buna-N
3350-0042		3351-0007		3800-0025	50 s.s.	1700-0045 Viton
3350-0043		3351-0007		3800-0026	80 on 20 s.s.	1700-0044 Buna-N
3350-0068		3351-0007		3800-0026	80 on 20 s.s.	1700-0044 Viton
3350-0040	¾" (F)	3351-0006	3351-0005 (White) or 3351-0015* (Clear)	3800-0029	20 s.s.	1700-0044 Buna-N
3350-0132		3351-0006		3800-0029	20 s.s.	1700-0045 Viton
3350-0034		3351-0006		3800-0025	50 s.s.	1700-0044 Buna-N
3350-0044		3351-0006		3800-0025	50 s.s.	1700-0045 Viton
3350-0035		3351-0006		3800-0026	80 on 20 s.s.	1700-0044 Buna-N
3350-0045		3351-0006		3800-0026	80 on 20 s.s.	1700-0045 Viton
3350-0057	1" (F)	3351-0014	3351-0013 (White) or 3351-0024* (Clear)	3800-0040	20 s.s.	1700-0057 Buna-N
3350-0060		3351-0014		3800-0040	20 s.s.	1700-0058 Viton
3350-0058		3351-0014		3800-0041	50 s.s.	1700-0057 Buna-N
3350-0061		3351-0014		3800-0041	50 s.s.	1700-0058 Viton
3350-0059		3351-0014		3800-0042	80 on 20 s.s.	1700-0057 Buna-N
3350-0062		3351-0014		3800-0042	80 on 20 s.s.	1700-0058 Viton
3350-0071	1¼" (F)	3351-0016	3351-0013 (White) or 3351-0024* (Clear)	3800-0043	20 s.s.	1700-0057 Buna-N
3350-0074		3351-0016		3800-0043	20 s.s.	1700-0058 Viton
3350-0072		3351-0016		3800-0044	50 s.s.	1700-0057 Buna-N
3350-0075		3351-0016		3800-0044	50 s.s.	1700-0058 Viton
3350-0073		3351-0016		3800-0045	80 on 20 s.s.	1700-0057 Buna-N
3350-0076		3351-0016		3800-0045	80 on 20 s.s.	1700-0058 Viton
3350-0112	1½" (F)	3351-0026	3351-0013 (White) or 3351-0024* (Clear)	3800-0065	20 s.s.	1700-0057 Buna-N
3350-0115		3351-0026		3800-0065	20 s.s.	1700-0058 Viton
3350-0113		3351-0026		3800-0066	50 s.s.	1700-0057 Buna-N
3350-0116		3351-0026		3800-0066	50 s.s.	1700-0058 Viton
3350-0114		3351-0026		3800-0067	80 on 20 s.s.	1700-0057 Buna-N
3350-0117		3351-0026		3800-0067	80 on 20 s.s.	1700-0058 Viton

\*Clear Polyamide Bowl - Add Suffix "P" - (e.g. 3350-0057P). ½", ¾", 1¼" and 1½" have internal (NPT) Female Ports, Type 6 nylon cap bowl.