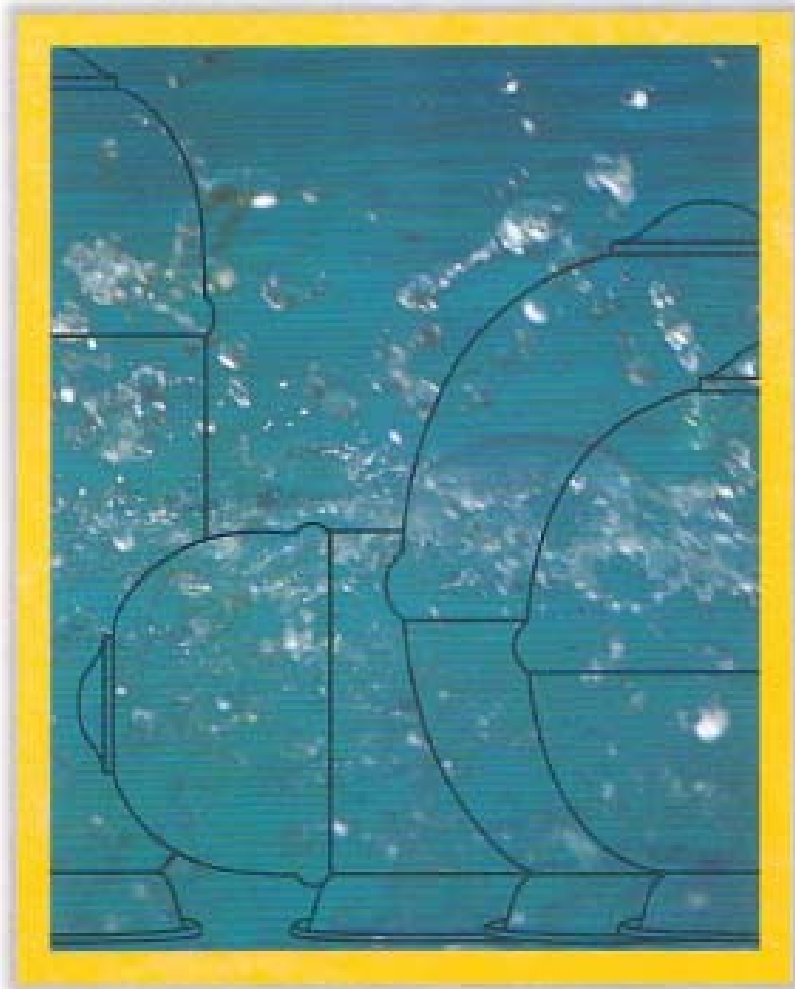




SANDIA
S A N D F I L T E R S



**Quality
Sand Filters for
Residential and Commercial
Swimming Pools, Spas
&
Industry**



SANDIA
S A N D F I L T E R S

Quality Sand Filters

Suitable for all filtration applications including:-

- SWIMMING POOLS - FROM DOMESTIC TO OLYMPIC SIZE
- SPA'S
- WASTE WATER TREATMENT
- AQUA CULTURE
- IRRIGATION SYSTEMS
- DRINKING WATER PROCESSING
- WATER SUPPLY TREATMENT
- INDUSTRIAL WATER TREATMENT

SANDIA SAND FILTERS
FOR ALL YOUR FILTRATION NEEDS

The extensive range of Sandia filters are essential for all types of Swimming pools from residential through to Olympic size applications.

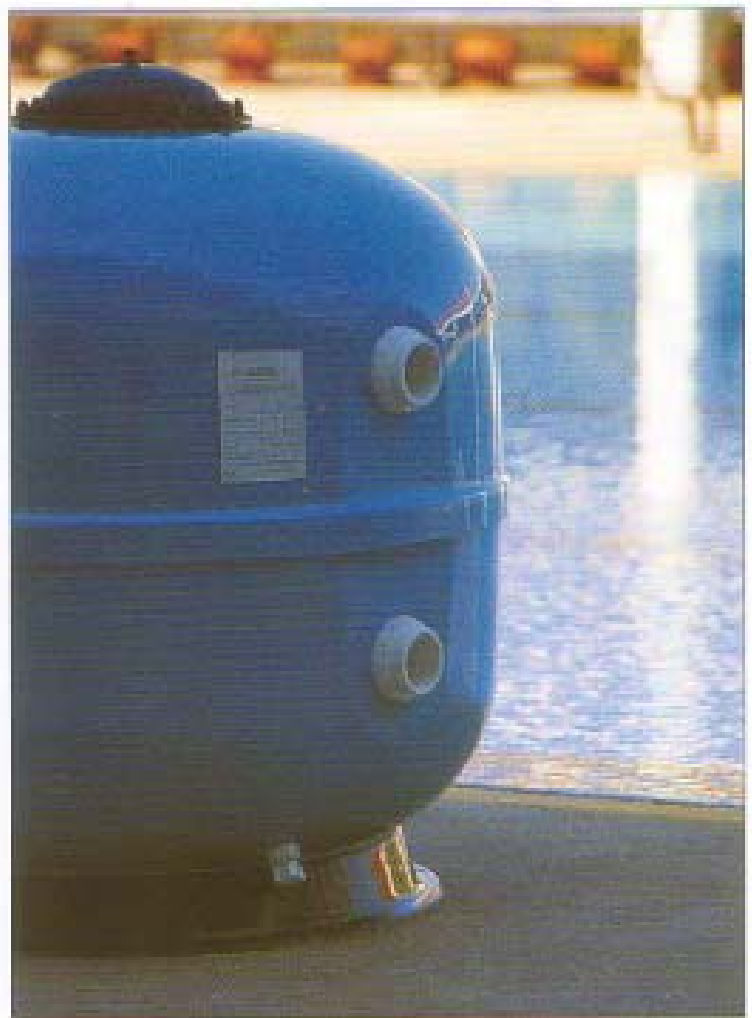
The Sandia sand filter is not only suited to the Water Leisure Industry, but can also be utilised for numerous filtering applications such as fish farming, industrial water treatment plant and drinking water processing systems.

The main tank structure is made from extremely hard wearing glass reinforced polyester, and the smooth high gloss internal and external finish ensures free flow and easy cleaning.

With extensive warehousing, along with full sales & marketing offices based in Thailand, the Sandia filter becomes not only extremely competitive, but also ensures fast delivery and low freight costs.

Manufactured to meet with the highest World Standards, Sandia sand filters are the only choice for your filtration needs.

**QUALITY PRODUCTS FROM
THE SWIMMING POOL SPECIALISTS**



- **Residential**
Hi-Rate Sand Filters
- **Light-Medium Commercial**
Standard Media Depth Sand Filters
- **Heavy Commercial**
Medium Media Depth Sand Filters
- **Deep Bed Commercial**
Maximum Media Depth Sand Filters
- **Industrial**
High Pressure Standard Media
Depth Filters

The SSR - range is ideally suitable for permanent in-ground residential indoor or outdoor pools.

The main tank structure is made from extremely hard wearing glass reinforced polyester. The smooth high gloss internal and external finish ensures free flow and easy cleaning.

The side mounted multi-port valve configuration together with the large lid access (230mm diameter) allows servicing of the interior without the need to disturb the connecting pipe-work.

Combined with the low head loss under-drain system and connection pipe-work, the SSR filter is one of the most efficient and cost effective on the market.

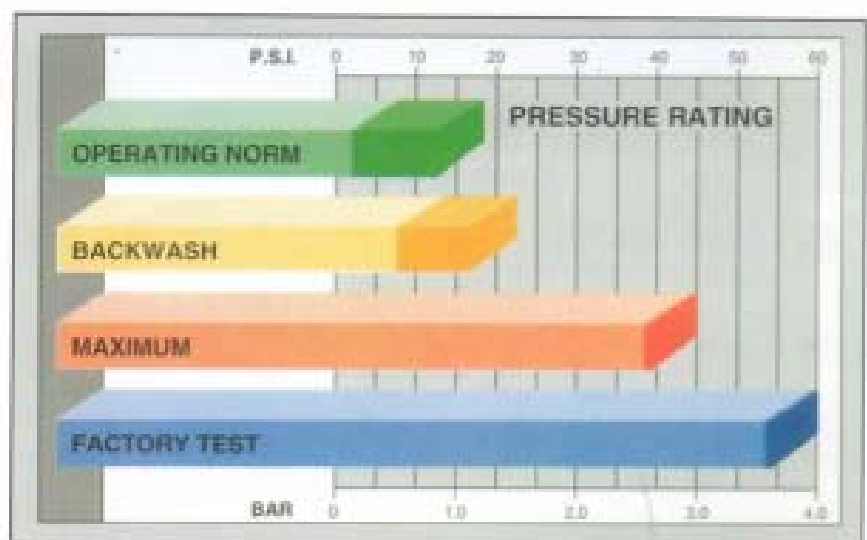
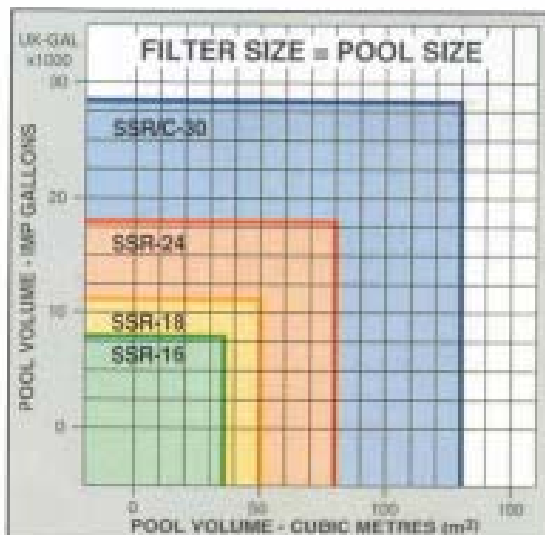
Options:

- 6-way multi-port valve
- valve connection pipework
- pressure gauge
- non-standard colours on request
- union adaptors

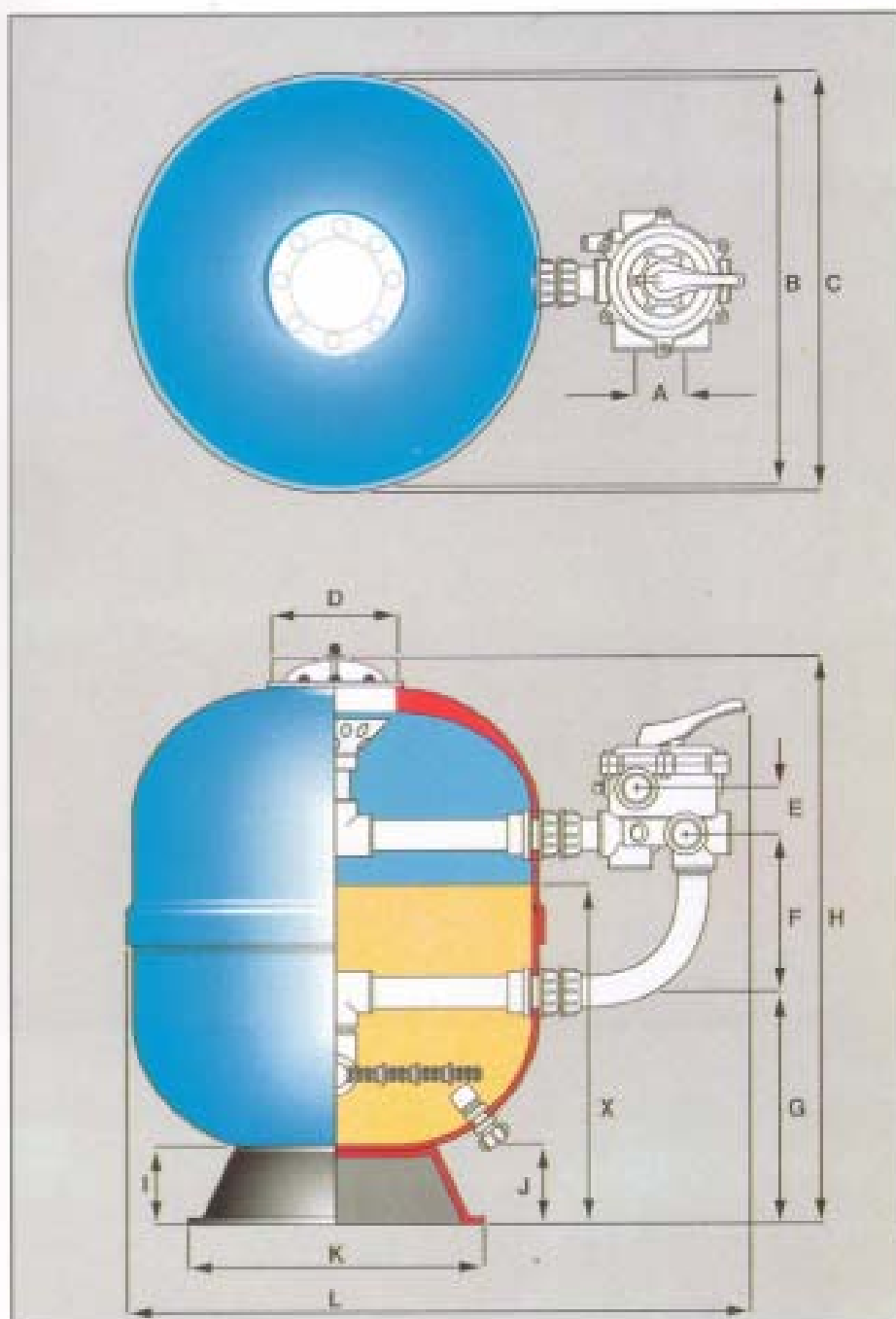


FILTER / PUMP - SELECTION GUIDE

CODE	FILTER		MEDIA		PIPE / CONNECTIONS		PUMP - H.P.		PUMP - KW		OUTPUT m ³ / hr	
	TYPE	Ø - MM	AREA - m ²	WEIGHT kg	INCH	mm	MIN	MAX	MIN	MAX	MIN	MAX
16014	SSR-16	450	0.135	50	1 1/2	50	1/2	1/2	0.24	0.37	4.0	6.5
18014	SSR-18	460	0.166	75	1 1/2	50	1/2	3/4	0.37	0.55	6.5	8.5
24014	SSR-24	610	0.300	125	1 1/2	50	3/4	1.0	0.55	0.75	10.5	14.5
30014	SSR/C-30	762	0.460	200	2	63	1 1/2	2.0	1.10	1.50	18.5	22.5

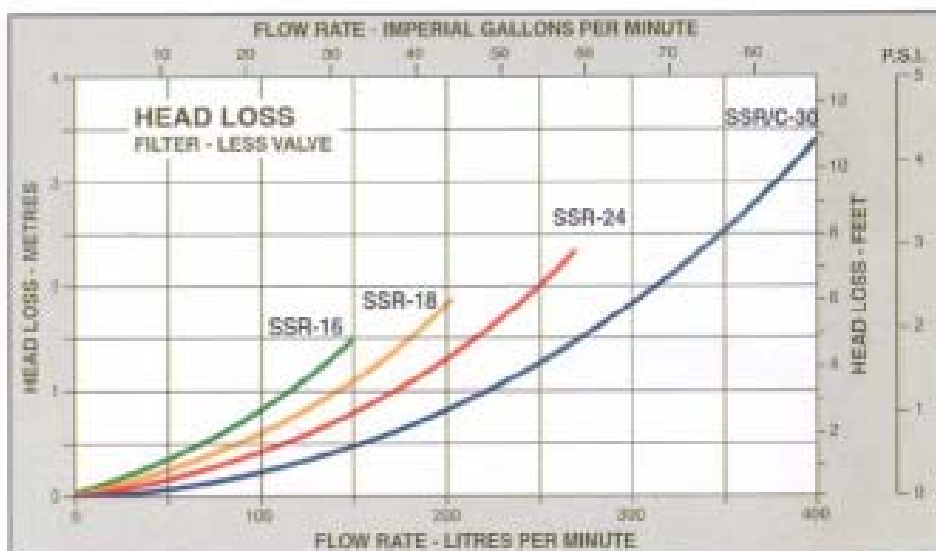


SSR-SUREFLOW



DIMENSIONS

TYPE	SSR-16	SSR-18	SSR-24	SSR/C-30
A	73	73	73	70
B	450	460	610	762
C	465	475	625	780
D	230	230	230	230
E	61	61	61	81
F	127	204	204	215
G	240	245	250	315
H	575	685	760	780
I	85	65	65	85
J	70	70	70	90
K	300	300	490	560
L	725	790	945	1100
M	-	-	-	-
N	-	-	-	-
X	300	350	380	400
Y	-	-	-	-
Z	-	-	-	-



ORDERING

TYPE	SSR-16	SSR-18	SSR-24	SSR/C-30
CODE	16014	18014	24014	30014
ST-COL	Blue	Blue	Blue	Blue
WIDTH	470	480	630	790
LENGTH	470	480	630	790
HEIGHT	590	700	790	810
WEIGHT	6.0	10.0	17.0	30.0

The SSC range is specifically designed for light to medium commercial installations.

The main tank structure is made from extremely hard wearing glass reinforced polyester. The smooth high gloss internal and external finish ensures free flow and easy cleaning.

Similar to the SSR range, they incorporate a large (230mmø) lid which is fitted on models 30/36/42. Whilst the SSC-48 has an even larger lid measuring 430 x 330mm for easy access to the media and internals.

An additional feature for the SSC-42 and SSC-48 is an extremely useful sand 'dump' port, fitted to allow rapid sand removal thus speeding up servicing and reducing down-time.

All SSC filters are fitted with a constant optimum lateral system which ensures a low 'head-loss' through the filter, making them one of the most efficient sand filters on the market.

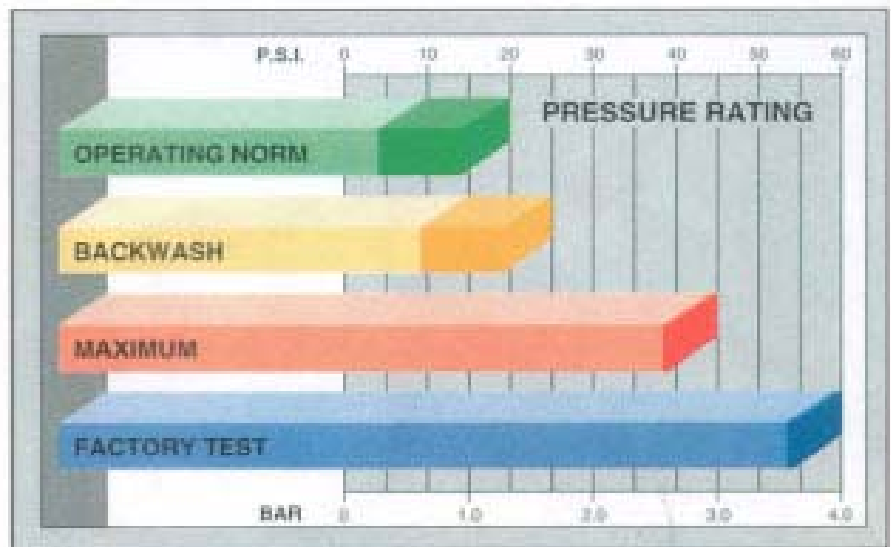
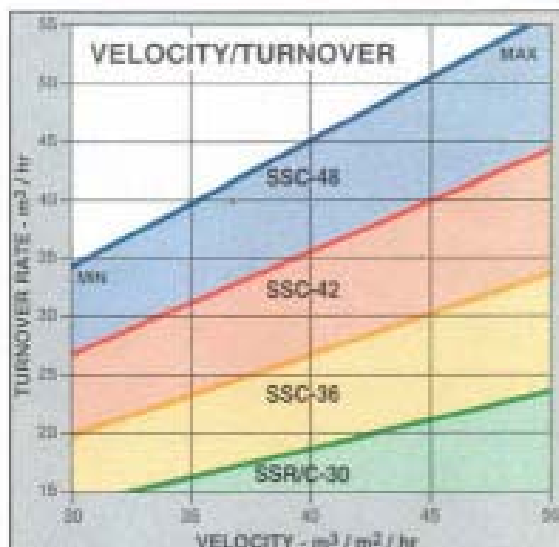
Options:

- 6-way multiport valve
- valve connection pipework
- pressure gauge
- non-standard colours on request
- sight glass for SSC 42" / 48"
- ø 3" ports on SSC-36

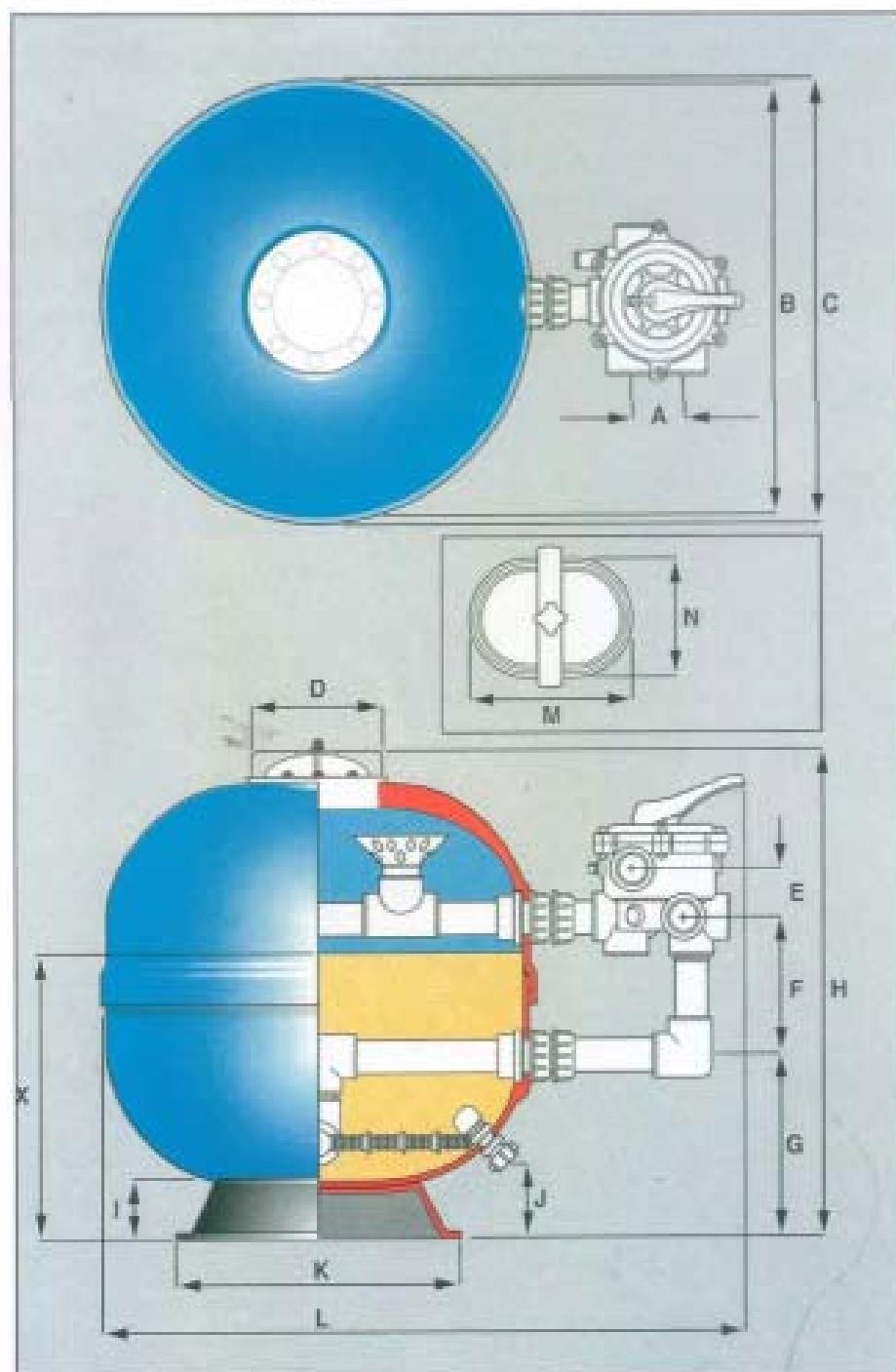


FILTER / PUMP - SELECTION GUIDE

CODE	FILTER		MEDIA		PIPE / CONNECTIONS		PUMP - H.P.		PUMP - KW		OUTPUT m ³ / hr	
	TYPE	Ø - MM	AREA - m ²	WEIGHT kg	INCH	mm	MIN	MAX	MIN	MAX	MIN	MAX
30014	SSR/C-30	762	0.46	200	2	53	1 1/2	2.0	1.10	1.5	18.5	22.5
36015	SSC-36	900	0.66	375	2	53	2.0	3.0	1.50	2.20	27.0	31.0
42220	SSC-42	1100	0.97	550	3	90	3.0	4.0	2.20	3.00	38.0	43.0
48215	SSC-48	1200	1.13	850	3	90	4.0	5 1/2	3.00	4.12	50.0	56.0

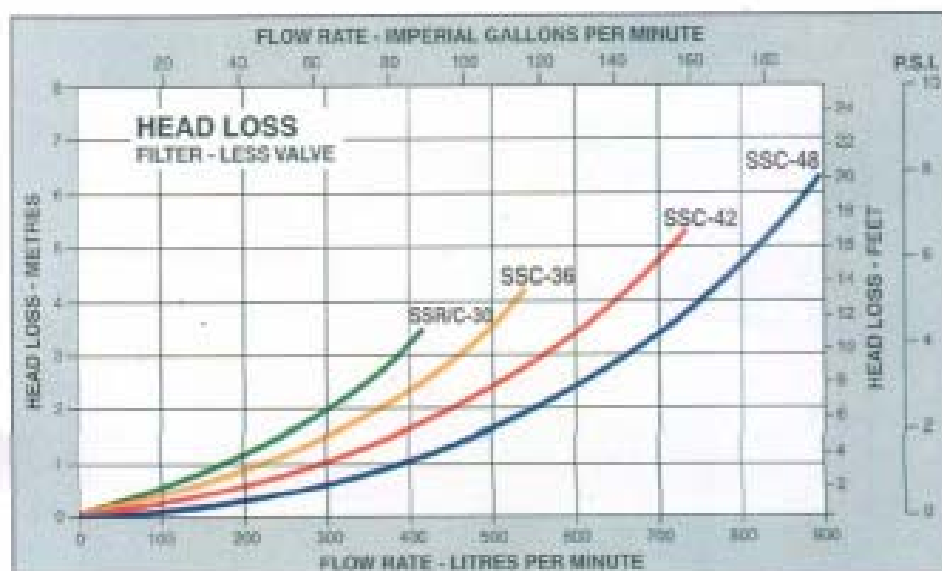


SSC - SUREFLOW



DIMENSIONS

TYPE	SSR/C-30	SSC-36	SSC-42	SSC-48
A	70	128	128	128
B	762	915	1100	1200
C	780	945	1130	1240
D	230	230	230	*M-N
E	81	110	110	110
F	215	300	350	550
G	315	300	350	360
H	780	945	965	1315
I	85	90	95	100
J	90	90	90	90
K	560	945	965	1200
L	1100	1385	1570	1660
M	-	-	-	*430
N	-	-	-	*330
X	400	500	550	700
Y	-	-	-	-
Z	-	-	-	-



ORDERING

TYPE	SSR/C-30	SSC-36	SSC-42	SSC-48
CODE	30014	36015	42220	48215
ST-COL	Blue	Blue	Blue	Blue
WIDTH	790	960	1140	1200
LENGTH	790	960	1140	1200
HEIGHT	848	1041	1061	1400
WEIGHT (kg)	30.0	40.0	50.0	75.0

The HZC filter range is specially designed for installations that require a high filtration surface area. Typical applications include school pools, leisure parks and other water treatment applications.

The main tank structure is made from extremely hard wearing glass reinforced polyester. The smooth high gloss internal and external finish ensures free flow and easy cleaning.

By design the HZC range is ideal for replacing older or obsolete equipment where access is restrictive. For new installations the HZC can be fitted with total economy of floor space and head room.

HZC filters can be installed individually or in series, both resulting in a more compact plant room in comparison with conventional (vertical) filter tanks.

The large top access man hole can be sited at an angle (as a special order) for ease of servicing the media or internals.

The filter length can also be increased to gain a greater surface area.

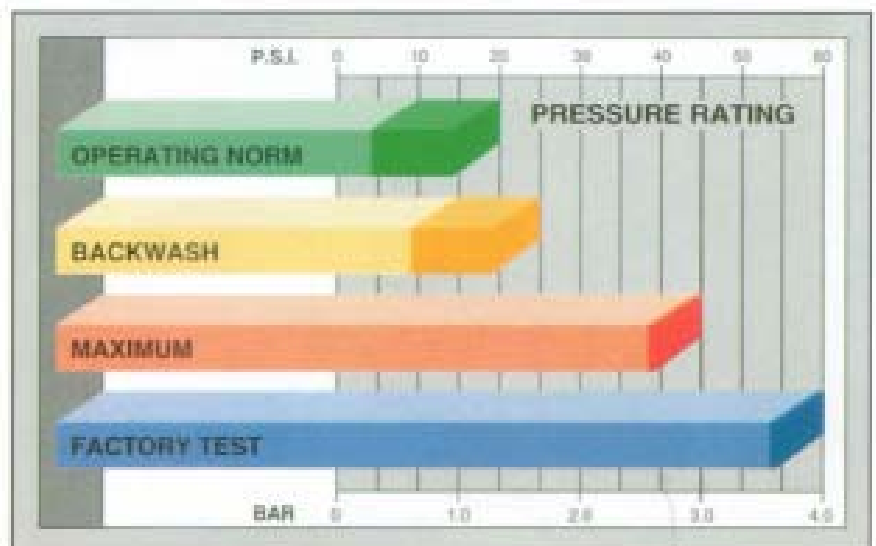
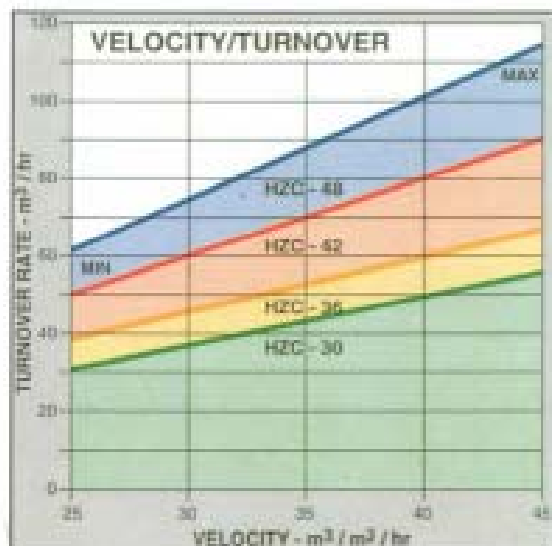
Options:

- pressure gauge
- non-standard colours on request
- off set position of lid/manhole for easy access
- increased length

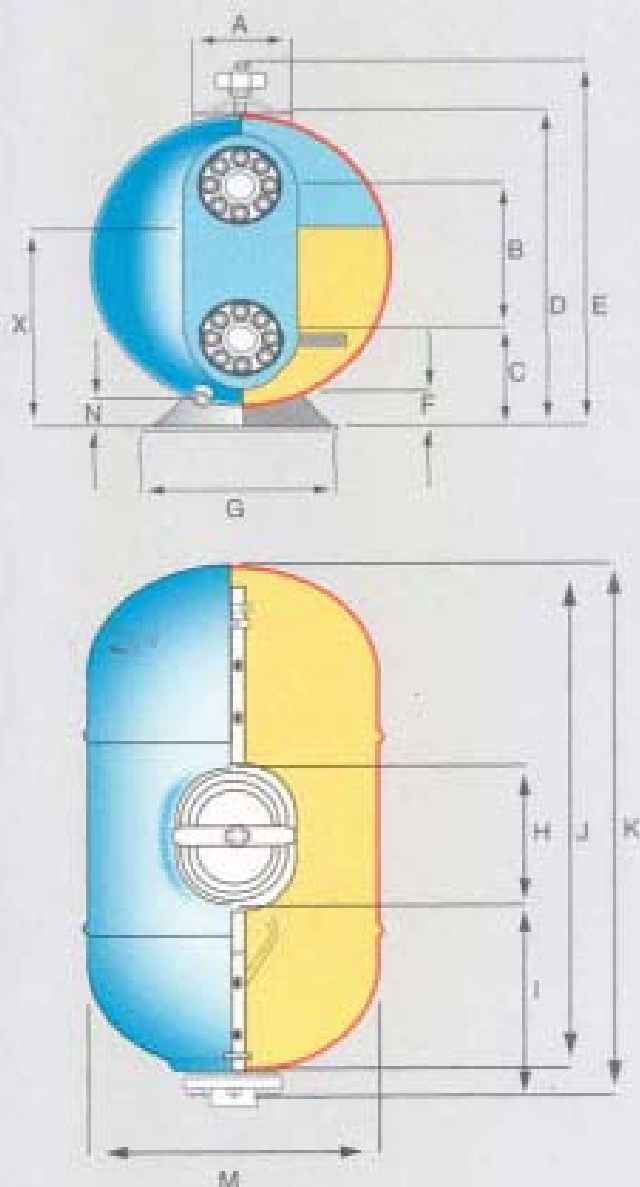


FILTER / PUMP - SELECTION GUIDE

CODE	FILTER		MEDIA		PIPE / CONNECTIONS		PUMP - H.P.		PUMP - KW		OUTPUT m ³ / hr	
	TYPE	Ø - MM	AREA - m ²	WEIGHT kg	INCH	mm	MIN	MAX	MIN	MAX	MIN	MAX
30750	HZC-30	760	1.25	750	4	110	3.0	4.0	2.2	3.0	31	56
36300	HZC-36	900	1.50	950	4	110	4.0	5.5	3.0	4.0	38	67
42413	HZC-42	1100	2.0	1200	4	110	5.5	7.5	4.0	5.5	50	90
48300	HZC-48	1200	2.5	1600	5	125	7.5	10.0	5.5	7.5	62	113

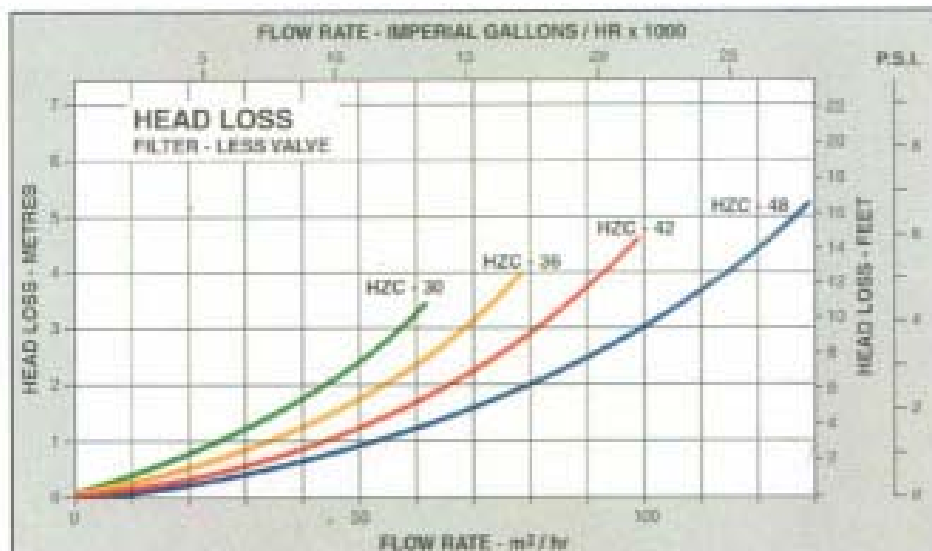


HZC-HORIZONTAL



DIMENSIONS

TYPE	HZC-30	HZC-36	HZC-42	HZC-48
A	300	330	330	330
B	390	560	700	850
C	280	290	320	350
D	1055	1150	1265	1380
E	1115	1225	1335	1450
F	125	150	190	225
G	575	725	815	900
H	300	430	430	430
I	750	775	800	1010
J	1950	1960	1980	2380
K	2000	2010	2030	2500
L	-	-	-	-
M	780	945	1120	1315
N	175	185	195	215
X	460	570	660	710
Y	-	-	-	-
Z	-	-	-	-



ORDERING

TYPE	HZC-30	HZC-36	HZC-42	HZC-48
CODE	30750	36300	42413	48300
ST-COL	Blue	Blue	Blue	Blue
WIDTH	800	970	1135	1340
LENGTH	2010	2020	2040	2600
HEIGHT	1125	1135	1345	1465
WEIGHT (kg)	70	85	150	175

The DBF range is suitable for commercial pools and spas which operate with warmer water and have a higher bathing load.

The deeper media bed ensures that finer dirt particles (and colloidal substances) are retained, to a far greater level than in shallower bed depth filters.

Installation can be as a single unit or in series to achieve the required filter surface area. Pipework connections can be with either a 6-way multi-port valve or manifold face pipework and valves.

The underdrain system is similar to the SSC filter range using 'candle' type industrial collector tubes.

Media removal can be achieved by using the purposely designed lower outlet (sand dump port).

In its standard form it is a very economical and efficient filter for high pollution applications.

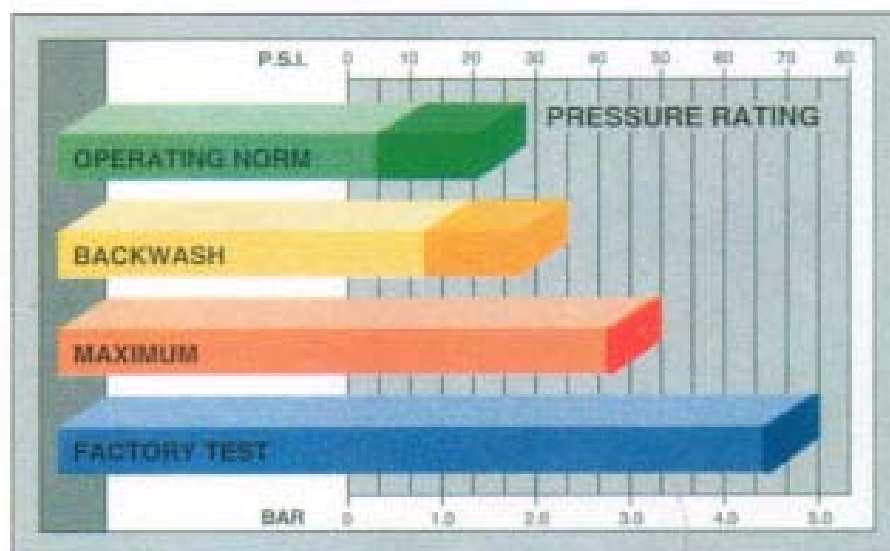
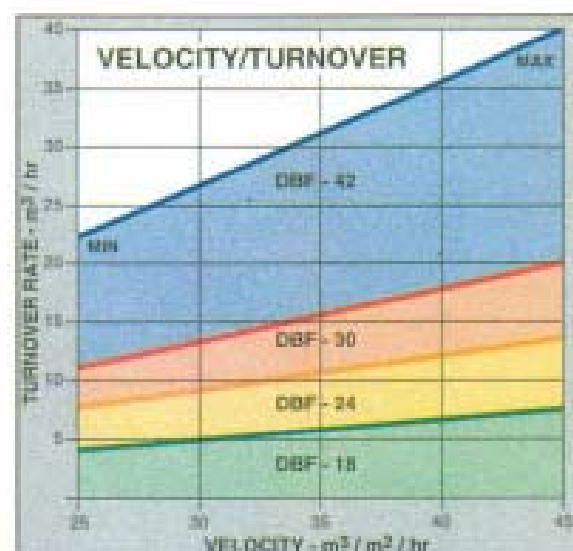
Options:

- 6-way multi-port valve
- non-standard colours available on request
- pressure gauge
- small sight glass 90 x 175 (max two per tank)
- large sight glass 120 x 310 (max two per tank)
- extended height (special order)
- decreased height (special order)

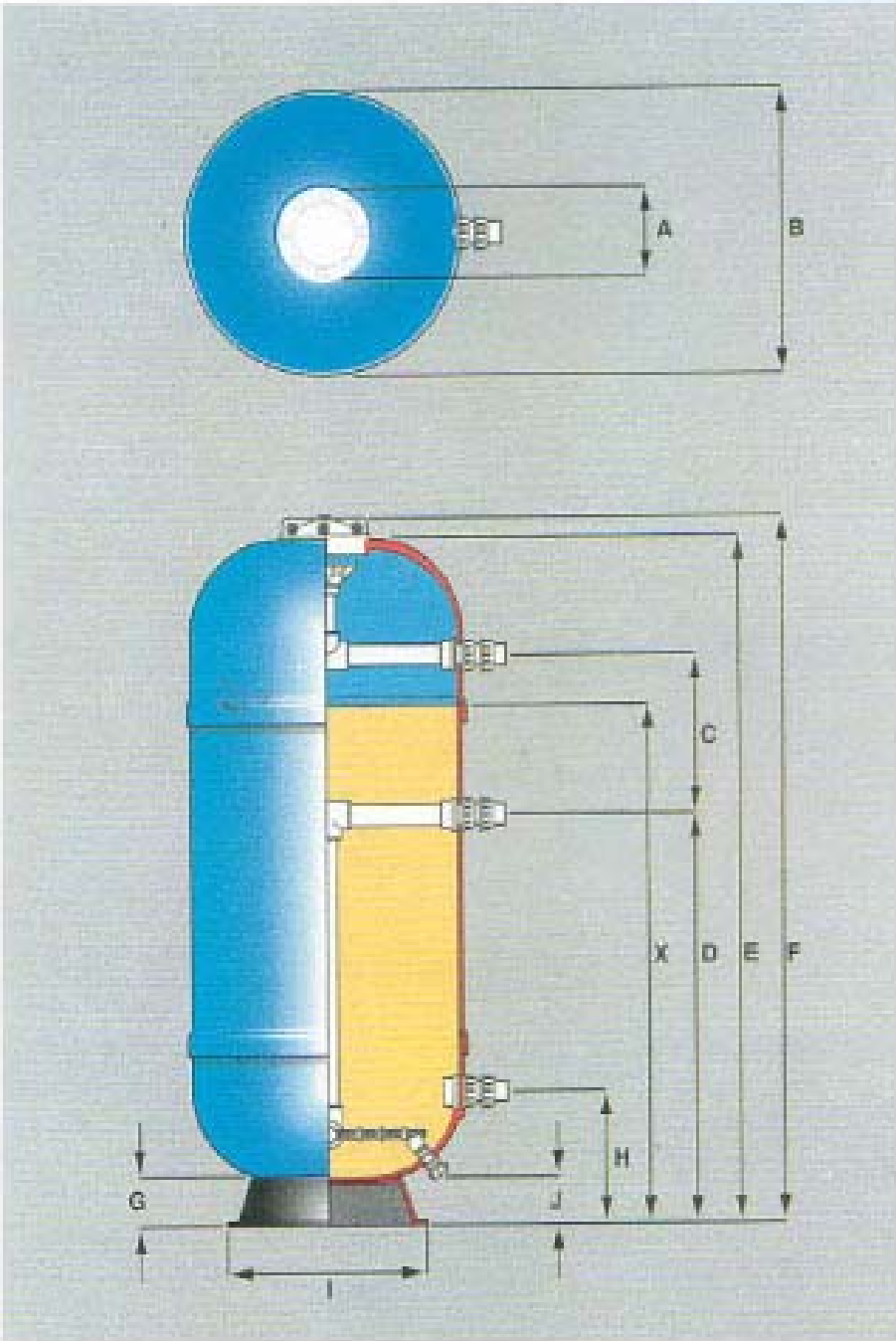


FILTER / PUMP - SELECTION GUIDE

CODE	FILTER		MEDIA		PIPE / CONNECTIONS		OUTPUT m ³ / hr		
	TYPE	Ø - MM	AREA - m ²	WEIGHT kg	BCH	mm	25 m ³ /m ² /hr	45 m ³ /m ² /hr	
18415	DBF-18	460	0.166	300	1 1/2	50	4.0	7.2	Note: Individual manufacturer's pump characteristics do vary. We recommend that the preferred pump curve is studied to ensure its compatibility in achieving the required performance / velocity.
24416	DBF-24	610	0.30	575	2	63	7.5	13.5	
30416	DBF-30	760	0.45	1050	2	63	11.5	20.0	
42615	DBF-42	1100	0.97	1825	3	90	24.0	43.0	



DEEP BED "STANDARD"

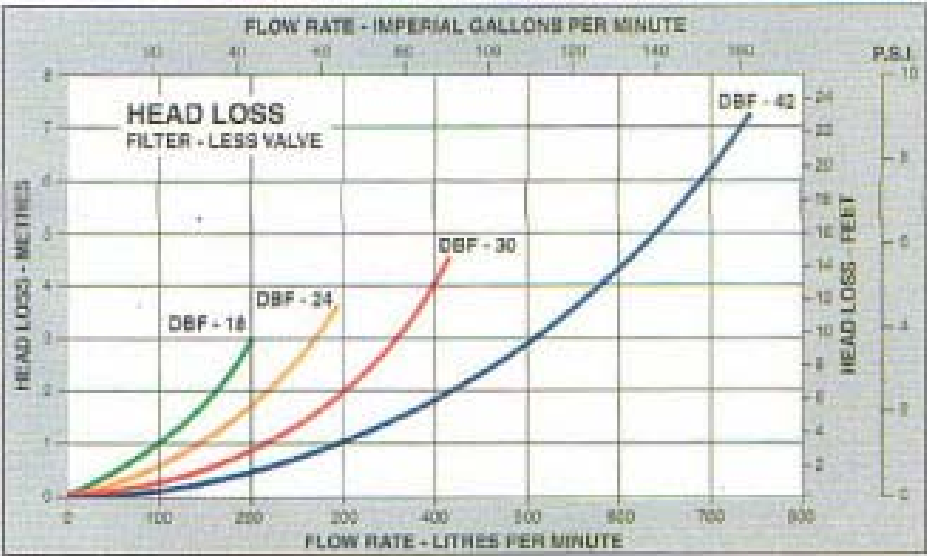


DIMENSIONS

TYPE	DBF-18	DBF-24	DBF-30	DBF-42
A	230	230	230	230
B	475	625	780	1130
C	260	260	275	300
D	1175	1250	1350	1400
E	1600	1750	1800	1905
F	1625	1775	1910	2010
G	75	80	95	105
H	260	275	295	325
I	380	500	710	1050
J	75	80	85	90
K	-	-	-	-
L	-	-	-	-
M	-	-	-	-
N	-	-	-	-
X	1220	1300	1525	1580
Y	-	-	-	-
Z	-	-	-	-

ORDERING

TYPE	DBF-18	DBF-24	DBF-30	DBF-42
CODE	18415	24416	30416	42615
ST-COL	Blue	Blue	Blue	Blue
WIDTH	460	630	780	1150
LENGTH	460	630	780	1150
HEIGHT	1551	1825	1905	2210
WEIGHT (kg)	35.0	35.0	60.0	120.0



All DBK Superflow filters can operate with either silica sand or sand gravel mix. They are suitable for use in commercial applications such as spa pools, high bathing load swimming pools, fish farming, industrial water treatment, drinking water systems, etc.

The depth of media (1.2 m) ensures that even the finest dirt particles are retained.

The media sight glass (optional extra) is made of high quality toughened safety glass which will resist damage by erosion.

The top oval lid allows easy access to the internals whilst the large side access manhole enables easy media removal, inspection and access to the filter.

The plate and nozzle system allows a uniform undisturbed flow through the media bed for filtering. The plate system also allows the use of airpurging as part of the backwash procedure, thus reducing the water required for backwashing.

Option:

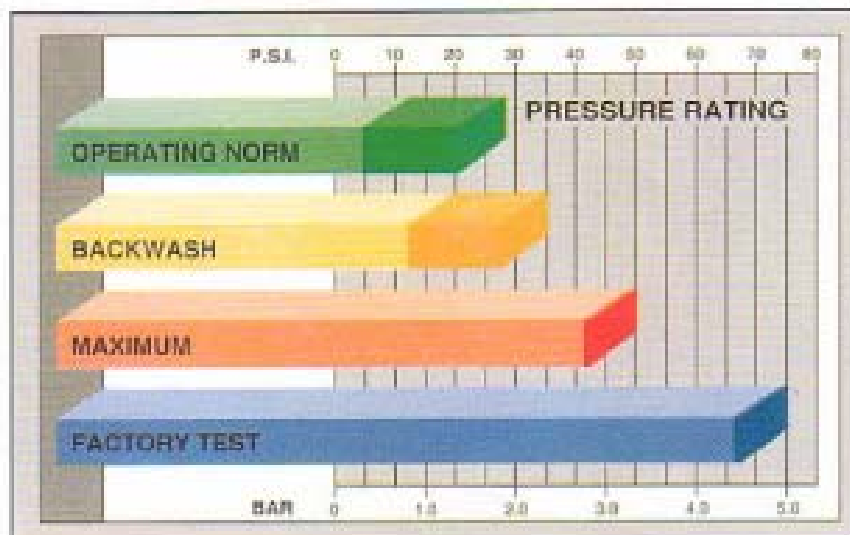
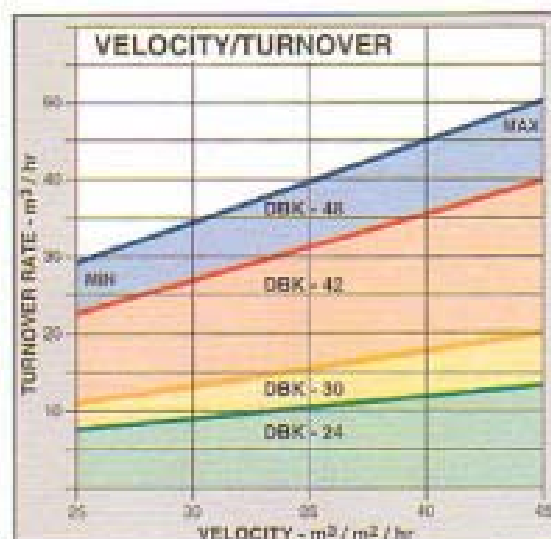
- small sight glass 90 x 175 (max two per tank)
- large sight glass 120 x 110 (max two per tank)
- 6 way multiport valve
- permanent drain facility
- pressure gauge
- variable height - special order



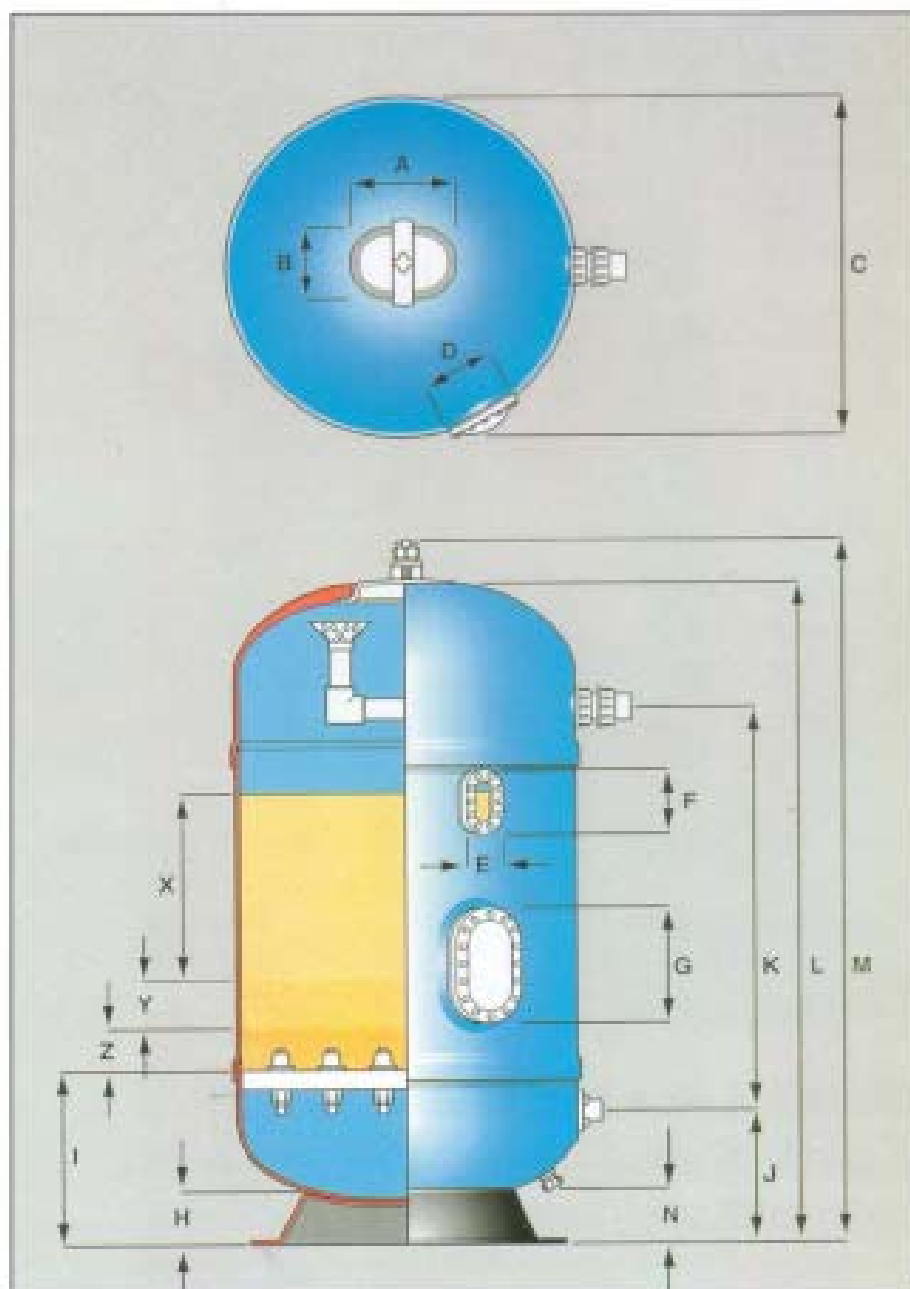
FILTER / PUMP - SELECTION GUIDE

CODE	FILTER	D - MM	AREA - m ²	WEIGHT kg	PIPE / CONNECTIONS		OUTPUT m ³ / hr	
					INCH	mm	25 m ³ /m ² /hr	45 m ³ /m ² /hr
24634	DBK-24	610	0.30	725	2	63	7.5	13.5
30634	DBK-30	760	0.45	925	2	63	11.5	20.0
42839	DBK-42	1100	0.97	2100	3	90	24.0	43.0
48039	DBK-48	1200	1.13	2300	3	90	28.2	50.8

Note: Individual manufacturer's pump characteristics do vary.
We recommend that the preferred pump curve is studied to ensure its compatibility in achieving the required performance / velocity.



DBK-DEEP BED "KOK"



DIMENSIONS

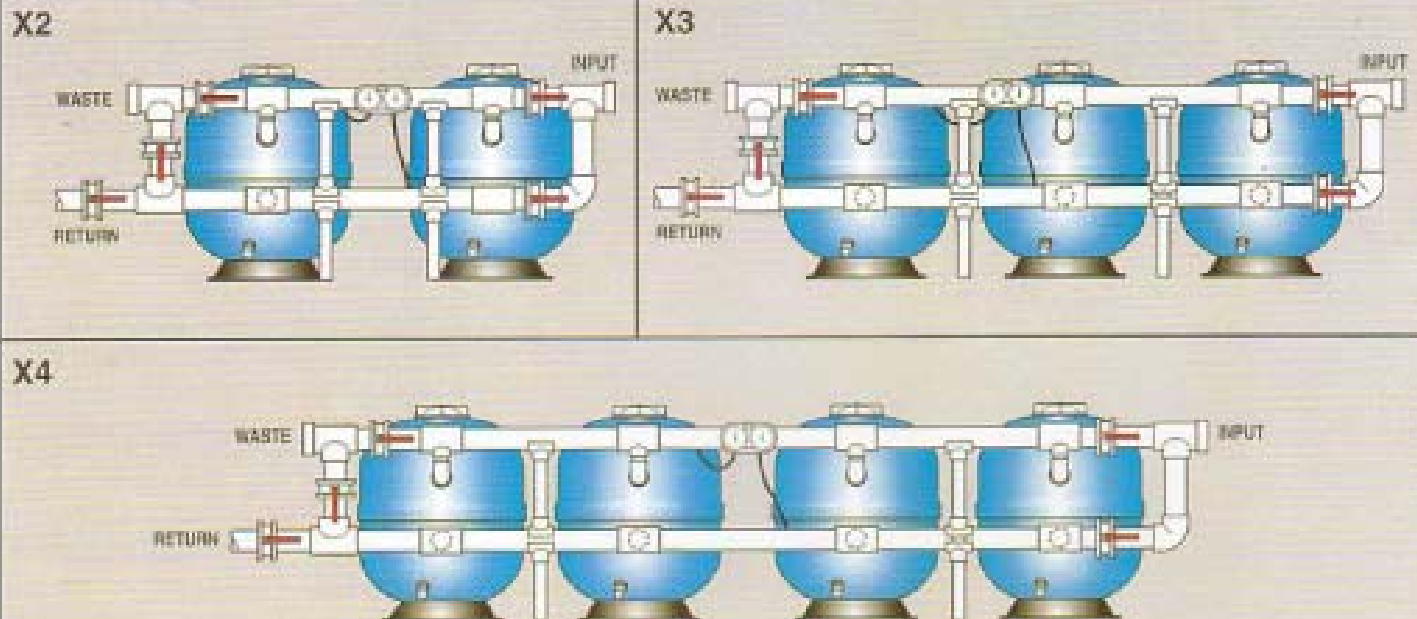
TYPE	DBK-24	DBK-30	DBK-42	DBK-48
A	270	270	270	430
B	230	230	230	330
C	630	780	1130	1225
D	325	325	460	460
E	90	90	90	90
F	180	180	180	180
G	300	300	540	540
H	90	100	110	120
I	375	400	425	450
J	275	280	310	350
K	1600	1650	1700	1750
L	2175	2225	2360	2480
M	2225	2275	2425	2550
N	90	100	110	120
X	800	800	800	800
Y	200	200	200	200
Z	200	200	200	200



ORDERING

TYPE	DBK-24	DBK-30	DBK-42	DBK-48
CODE	24634	30634	42839	48039
ST-COL	Blue	Blue	Blue	Blue
WIDTH (mm)	630	780	1170	1250
LENGTH	630	780	1170	1250
HEIGHT	2230	2280	2380	2550
WEIGHT	35.0	60.0	130.0	170.0

LIGHT / MEDIUM COMMERCIAL



X2 RANGE(S) • SSC • DBF • DBK •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	23.0	32.2	41.4
-36	33.0	46.2	59.4
-42	48.5	67.9	87.3
-48	56.5	79.1	101.7

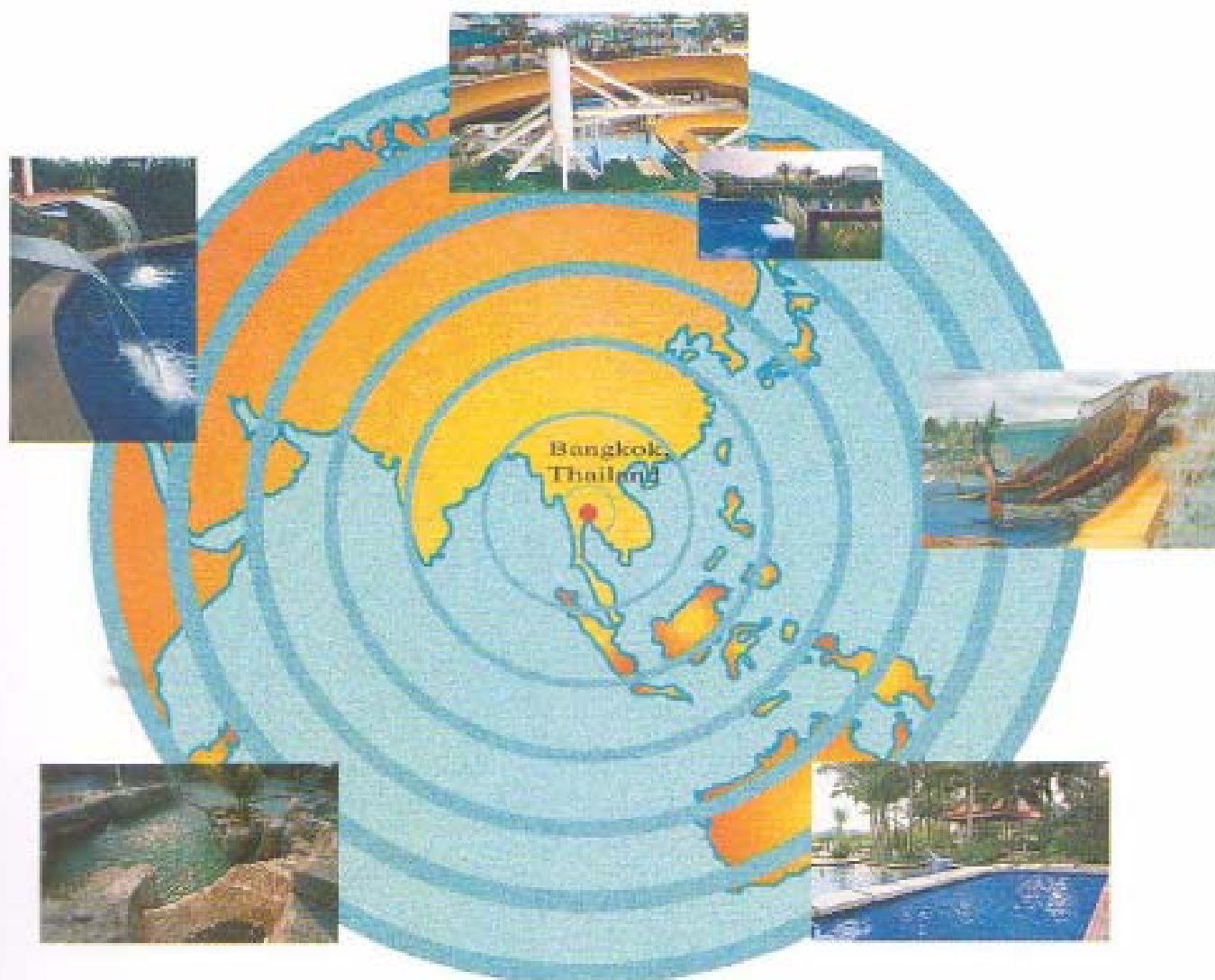
X2 RANGE(S) • HZC •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	62.5	87.5	112.5
-36	75.0	105.0	135.0
-42	100.0	140.0	180.0
-48	62.5	175.0	225.0

X3 RANGE(S) • SSC • DBF • DBK •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	34.5	48.3	62.1
-36	49.5	69.3	89.1
-42	72.75	101.85	130.95
-48	84.75	118.65	152.55

X3 RANGE(S) • HZC •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	93.75	131.25	168.75
-36	112.50	157.5	202.5
-42	150.0	210.0	270.0
-48	187.5	262.5	337.5

X4 RANGE(S) • SSC • DBF • DBK •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	46.0	64.4	82.8
-36	66.0	92.4	118.8
-42	97.0	135.8	174.6
-48	113.0	158.2	203.4

X4 RANGE(S) • HZC •			
FILTER TYPE	TOTAL OUTPUT - m ³ / hr		
	25m ³ /m ² /hr	35m ³ /m ² /hr	45m ³ /m ² /hr
-30	125.0	175.0	225.0
-36	150.0	210.0	270.0
-42	200.0	280.0	360.0
-48	250.0	350.0	450.0



As a specialist company with full in-house capabilities located in the heart of Asia, Sandia sand filters can be distributed quickly and efficiently throughout the Asian Pacific Rim and the rest of the world.

Manufactured to European Quality Standards, the Sandia range of Sand Filters ensures perfect filtration for any kind of Water Treatment

Be it for a Domestic or Commercial Swimming Pool, Water Treatment Plant or Aqua Culture, contact our Bangkok head sales office for a fast and efficient service.

SANDIA SAND FILTERS...
THE SPECIALISTS CHOICE.



LOCAL AGENT



A DIVISION OF

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www.poolspa.thailand.com E-mail : psitvipon@poolspa.co.th