










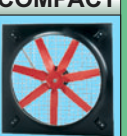

**In-Line Fans**

1 - 27

<b>TD</b>  2 - 7	<b>VENT</b>  8 - 11	<b>IBF</b>  12 - 16	<b>CVAB/CVAT</b>  17 - 18	<b>DH</b>  19 - 20	<b>RH</b>  21 - 22
<b>Accessories</b>					
 RCS 23	 DF 24	 DFK... +EU 25	 ACOP PL 26	 CAR 27	



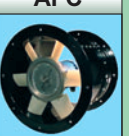











**Axial-flow Fans Wall Versions**

29 - 42

<b>HXM</b>  30	<b>COMPACT</b>  31 - 39	<b>AFW</b>  40 - 42
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**Axial-flow Fans Cased Versions**

43 - 69

<b>COMPACT</b>  44 - 51	<b>TCB □x2</b>  52 - 53	<b>AFC</b>  54 - 57	<b>AFC-VB</b>  58 - 59	<b>AFC-HT</b>  60	<b>AFD</b>  61 - 62	<b>AFH</b>  63 - 64	<b>AFS</b>  65 - 66
<b>AFK</b>  67	<b>Accessories</b>						
	 Louvre shutters	 Flexible connectors	 Sleeve	 Mounting base	 Protection net		

**Roof Fans**

71 - 86

<b>RF</b>  72 - 74	<b>RFV</b>  75 - 76	<b>RBH</b>  77 - 78	<b>CTH..., CTV...</b>  79 - 85	<b>Accessories</b>  86
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**Fans "ATEX"**

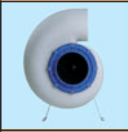
87 - 94

<b>EGM</b>  88 - 91	<b>COMPACT EXE</b>  92	<b>HDT, HDB</b>  93 - 94
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**Centrifugal Fans VISP/VASP**

95 - 104

VISP



96 - 99

VASP



100 - 103

Accessories



104

**Centrifugal Fans**

105 - 190

SEM



106

DEM



107

CBM



108 - 110

CBP



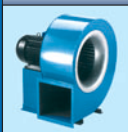
111 - 114

GSF-AP HT



115 - 116

GSF



117 - 119

GRF



120 - 121

GSFG



122 - 125

MPB



126 - 129

MPR



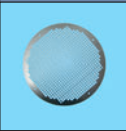
130 - 132

MPT



133 - 137

Accessories



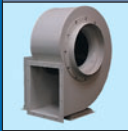
138 - 139

GMT



140 - 143

GSB/MSB



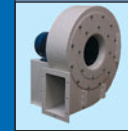
144 - 149

MSB-VB



150 - 152

HSB



153 - 155

GST



156 - 158

QP



159 - 161

Q



162 - 165

Q-2



166 - 167

DPB



168 - 169

FCM



170

RL



170

PB



171

PH



171

BL



172

BFN



172

HPBx



173 - 175

HPB, HPT, HPR



176 - 188

Accessories



189 - 190

**Side Channel Blowers**

191 - 212

SC



192 - 200

SC VB



201 - 204

DSC/PSC



205 - 210

Accessories



211 - 212

**Chip Extractors**

213 - 215

WNF



214 - 215

**Domestic Fans**

217 - 227

**SILENT**



218 - 219

**DECOR**



220 - 221

**EDM**



222 - 223

**EBB, EB**



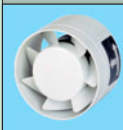
224

**EBB, EB N**



225

**TDM**



226

**HTB**



227

**Accessories**

229 - 232

**RMB**



230

**REB-1 NE**



230

**REGUL-2**



230

**HIG-2**



231

**SQA**



231

**CT 12/14**



231

**Commander SK**



232

**Electric Diagrams**

233 - 237

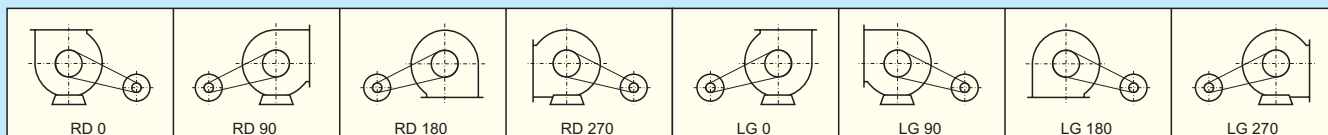
**General Information**

239 - 242

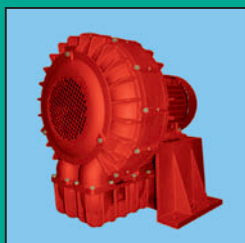
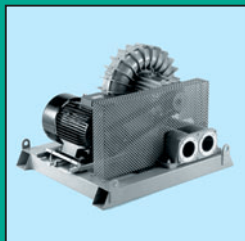
**Index**

243 - 244

All fans in this catalogue can be specified with orientations as shown below. However some fans can only be delivered as shown in the pictures in the catalogue. The symbols show the fan from the drive side or the motor side.



Performance curves are valid with a tolerance of  $\pm 10\%$  for the pressure and  $\pm 10\%$  for the airflow, air density  $1,223\text{kg/m}^3$ , at an ambient temperature of  $20^\circ\text{C}$  and at  $1013\text{mbar}$  atmospheric pressure. We reserve the right to make changes of constructions and performance curves without prior notice. We do not take any responsibility for misprints.



SC	192
SC - V-belt drive	201
DSC, PSC	205
Accessories	211

**In-Line Fans**

**Axial-flow Fans Wall Versions**

**Axial-flow Fans Cased Versions**

**Roof Fans**

**Fans "ATEX"**

**Centrifugal Fans VISP/VASP**

**Centrifugal Fans**

**Side Channel Blowers**

**Chip Extractors**

**Domestic Fans**

**Accessories**

**Electric Diagrams**

**General Information**

**Index**



### Construction

Direct driven side channel blowers designed for oil free conveying of non explosive and non aggressive medium. These blowers are suitable for either pressure or vacuum systems. All blower parts are of cast aluminium, highly resistant to corrosion. Silencer on the discharge- and intake side is standard. The blowers are suitable for mounting in a vertical or horizontal position. V-belt driven blowers or blowers with customer adjusted capacity can be supplied on request.

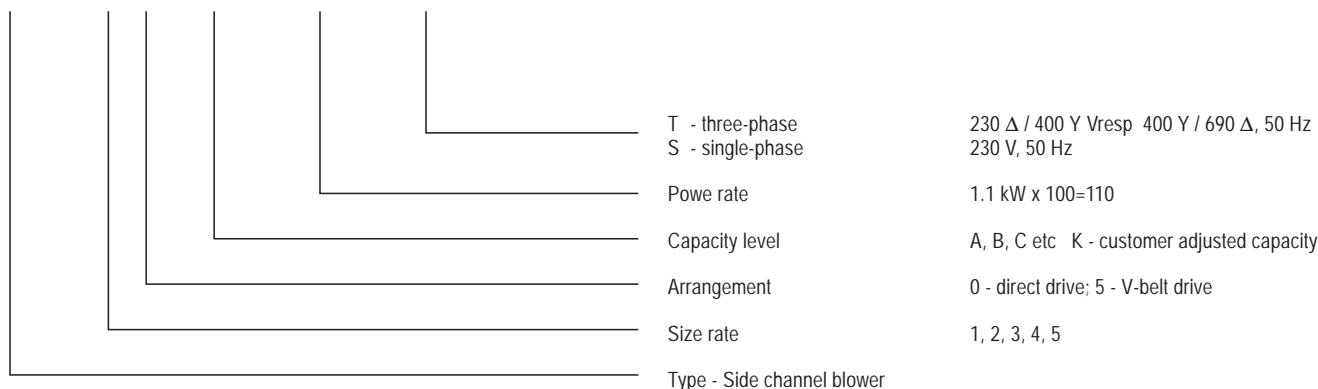
### Motor

220-240/380-420V, 50Hz (380-420/660-690V over 3kW) three-phase or 220-240V, 50Hz single-phase asynchronous motor with capacitor. Insulation class F, enclosure IP55. Special voltage or frequency, improved enclosure IP65, 2-speed motors and explosion proof motors can be supplied on request. Wiring diagram, see page 235.

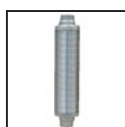
The performance curves hold with a tolerance of  $\pm 10\%$  for pressure and  $\pm 10\%$  for air flow and at an inlet temperature of  $+15^\circ\text{C}$ , at an atmospheric pressure of 1013 mbar and at an ambient temperature of  $25^\circ\text{C}$ . We reserve the right for construction- and capacity changes without prior notice. We take no responsibility what so ever for any printing errors in the catalogue. Unbroken curves hold at continuous running and with an ambient temperature of max.  $+40^\circ\text{C}$ . If higher pressure/vacuum is required, 2-step designs or belt drive are recommended.

### Model numbering system

SC 20 A 110 T



### Accessories (see page 211)



Silencer with connector



Connector



Welding flange



Threaded flange



Filter

## Side channel blowers three-phase

Type	Motor power	Voltage	Maximum current	Maximum duty	Sound level**	Weight	Article number
	kW	V	A	m³/h	dB (A)	kg	
SC10A-037T	0,37	230 / 400	1,76 / 1,02	110	71	15,0	113 750 120
SC10A-055T*	0,55	230 / 400	2,35 / 1,35	110	72	16,0	113 750 125
SC10C-055T	0,55	230 / 400	2,35 / 1,35	110	72	16,0	113 750 130
SC10C-075T	0,75	230 / 400	3,3 / 1,9	110	73	18,5	113 750 135
SC20A-110T*	1,10	230 / 400	4,3 / 2,5	190	75	22,0	113 750 185
SC20A-150T	1,50	230 / 400	5,9 / 3,4	190	77	24,5	113 750 190
SC20C-110T	1,10	230 / 400	4,5 / 2,5	190	75	22,0	113 750 200
SC20C-150T*	1,50	230 / 400	5,9 / 3,4	190	77	24,5	113 750 205
SC30A-220T*	2,20	230 / 400	8,0 / 4,6	320	78	36,0	113 750 270
SC30A-300T	3,00	230 / 400	11,3 / 6,5	320	80	40,0	113 750 272
SC30C-220T	2,20	230 / 400	8,0 / 4,6	320	78	36,0	113 750 275
SC30C-300T*	3,00	230 / 400	11,3 / 6,5	320	81	40,0	113 750 283
SC40A-550T*	5,50	400 / 690	10,6 / 6,1	650	84	70,0	113 750 330
SC40A-750T*	7,50	400 / 690	14,0 / 8,1	650	85	73,0	113 750 335
SC40C-550T*	5,50	400 / 690	10,6 / 6,1	650	84	70,0	113 750 350
SC40C-750T*	7,50	400 / 690	14,0 / 8,1	650	86	73,0	113 750 352
SC50A-750T	7,50	400 / 690	14,0 / 8,1	1100	82	126,0	113 750 400
SC50A-1100T*	11,00	400 / 690	21,2 / 12,2	1100	84	128,0	113 750 411
SC50A-1500T	15,00	400 / 690	27,2 / 15,7	1100	87	155,0	113 750 420
SC50C-750T	7,50	400 / 690	14,0 / 8,1	1100	84	126,0	113 750 450
SC50C-1100T*	11,00	400 / 690	21,2 / 12,2	1100	86	128,0	113 750 455
SC50C-1500T	15,00	400 / 690	28,0 / 15,7	1100	88	155,0	113 750 460

\*\* - with silencer

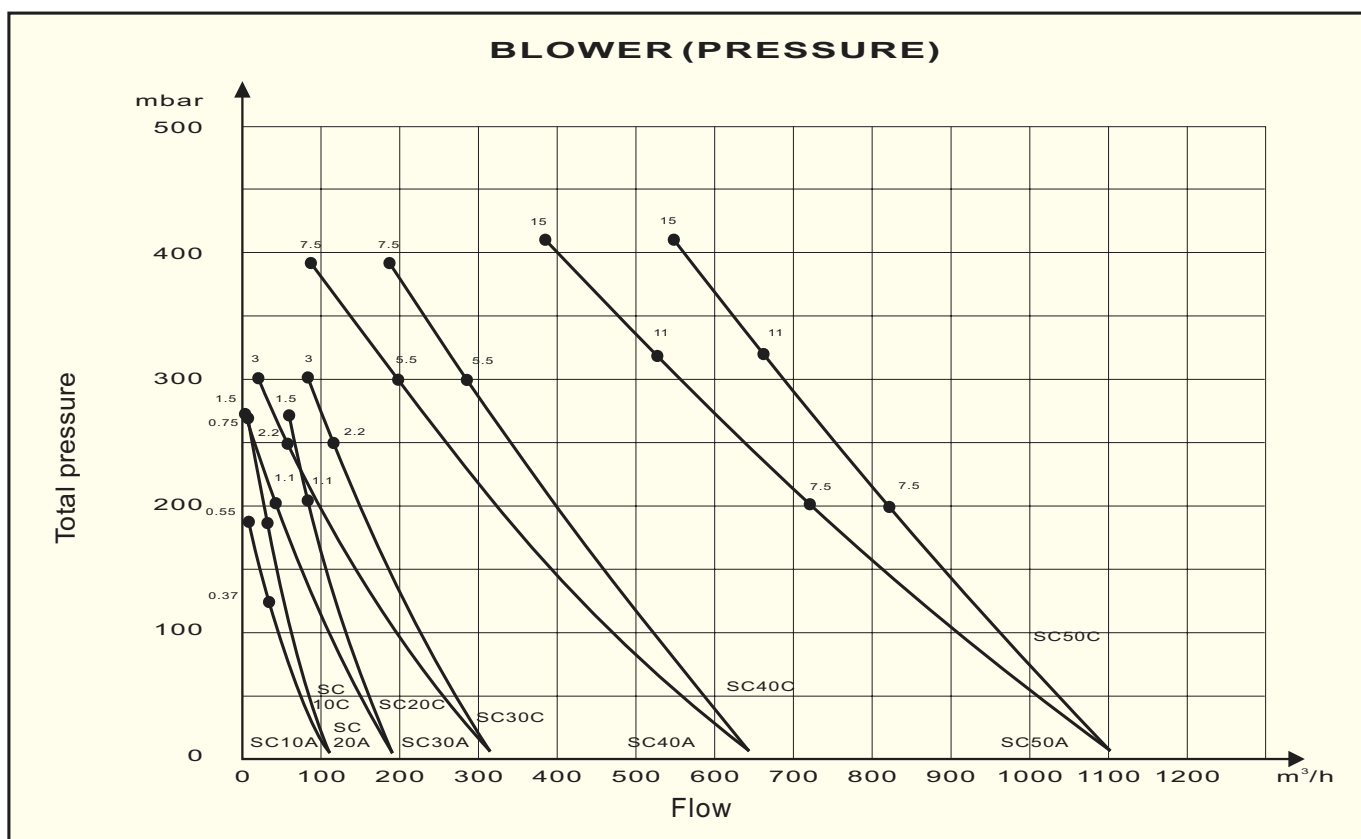
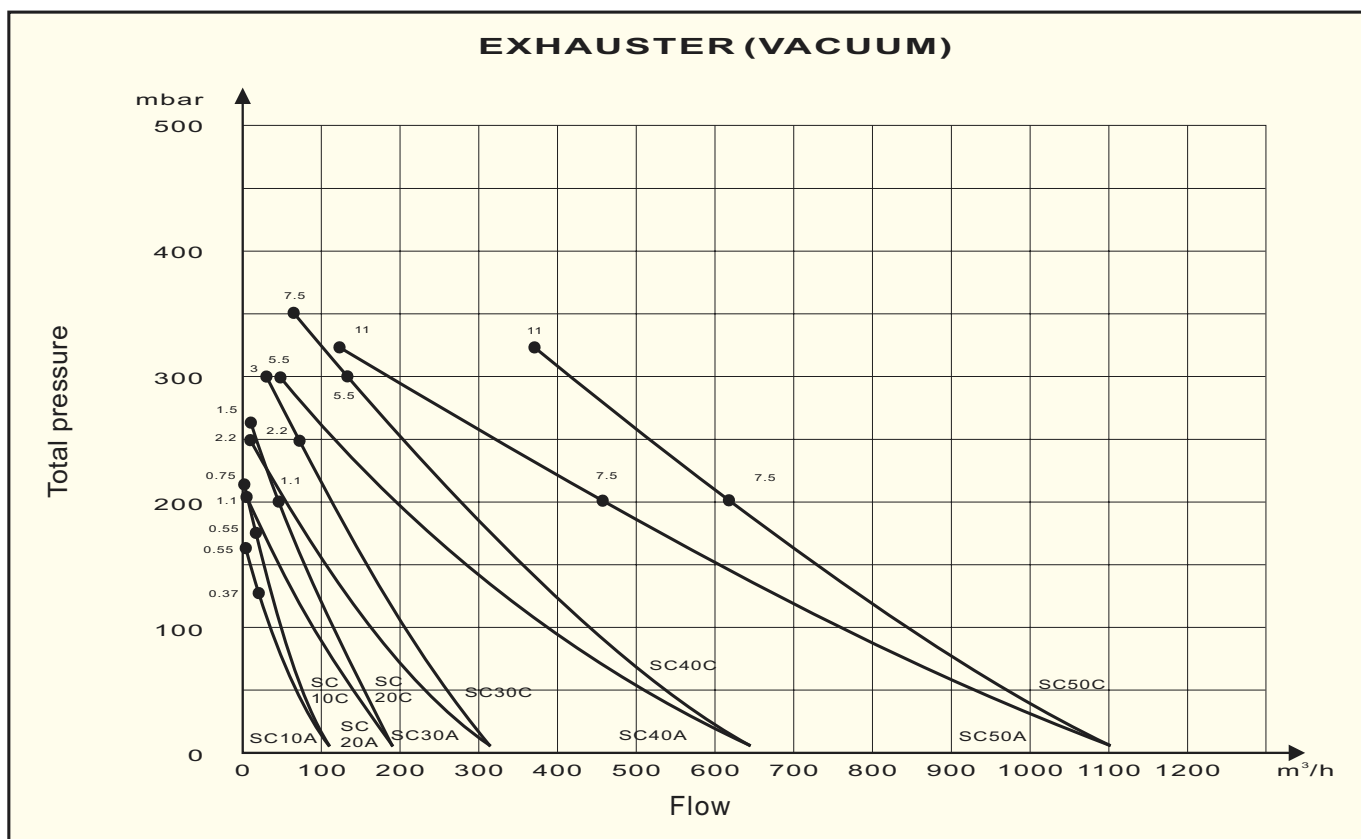
## Side channel blowers single-phase

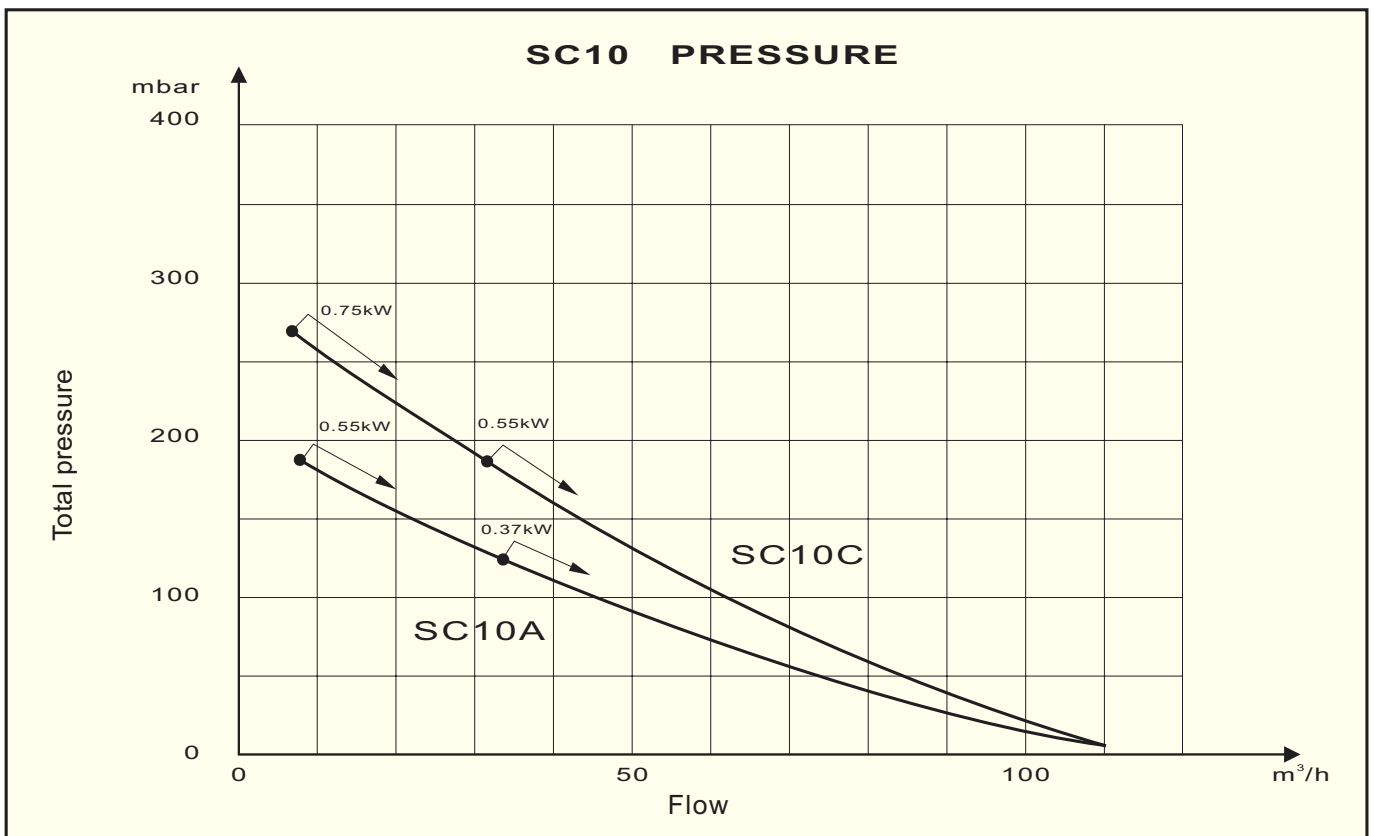
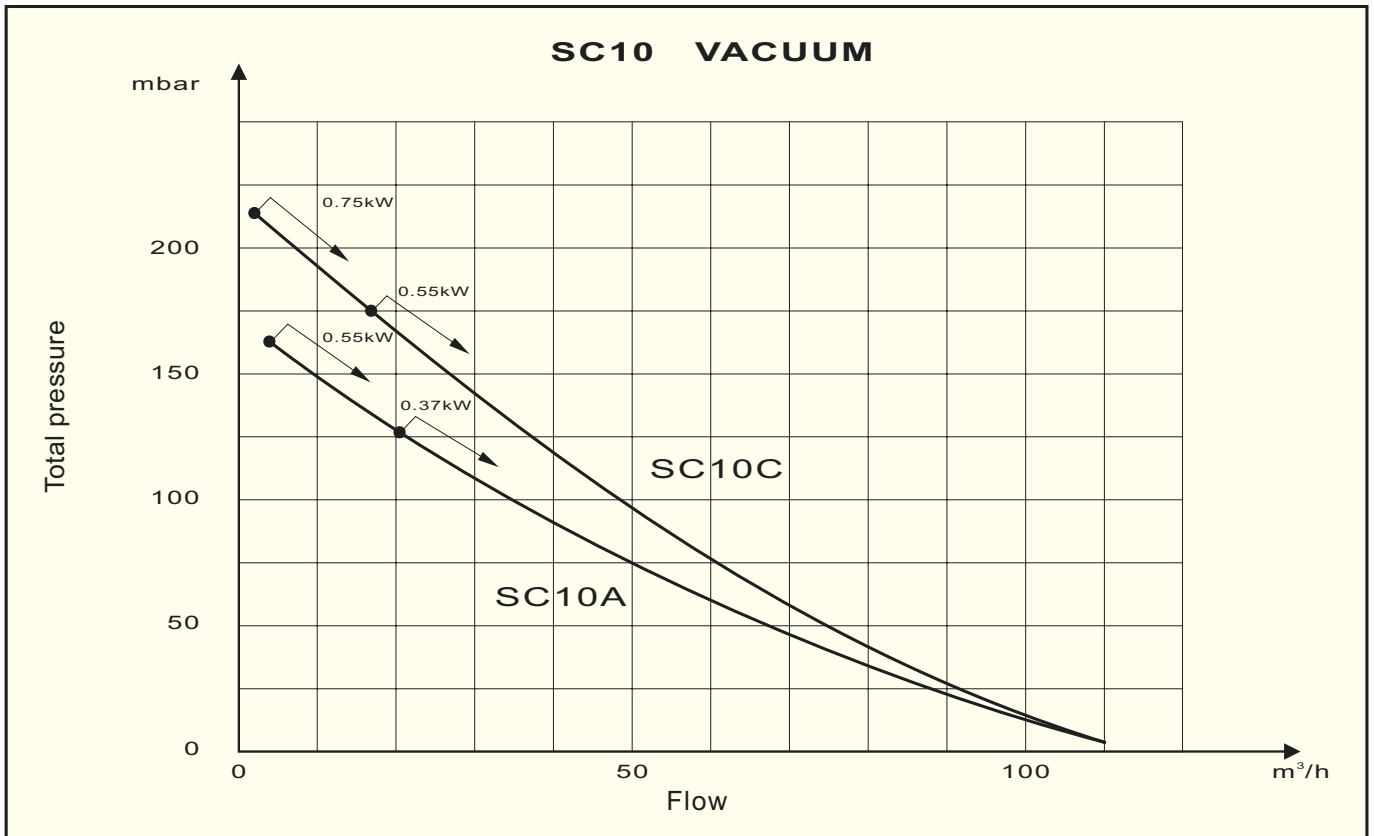
SC10A-037S	0,37	230	2,9	110	71	18,0	113 750 150
SC10A-055S*	0,55	230	4,0	110	72	19,0	113 750 155
SC10C-055S	0,55	230	4,0	110	72	19,0	113 750 160
SC10C-075S	0,75	230	5,2	110	72	21,5	113 750 165
SC20A-110S*	1,10	230	7,9	190	75	25,0	113 750 225
SC20A-150S	1,50	230	8,7	190	77	26,0	113 750 230
SC20C-110S	1,10	230	7,9	190	75	25,0	113 750 235
SC20C-150S	1,50	230	8,7	190	77	26,0	113 750 240
SC30A-220S	2,20	230	14,0	320	78	39,0	113 750 290

\* - in stock

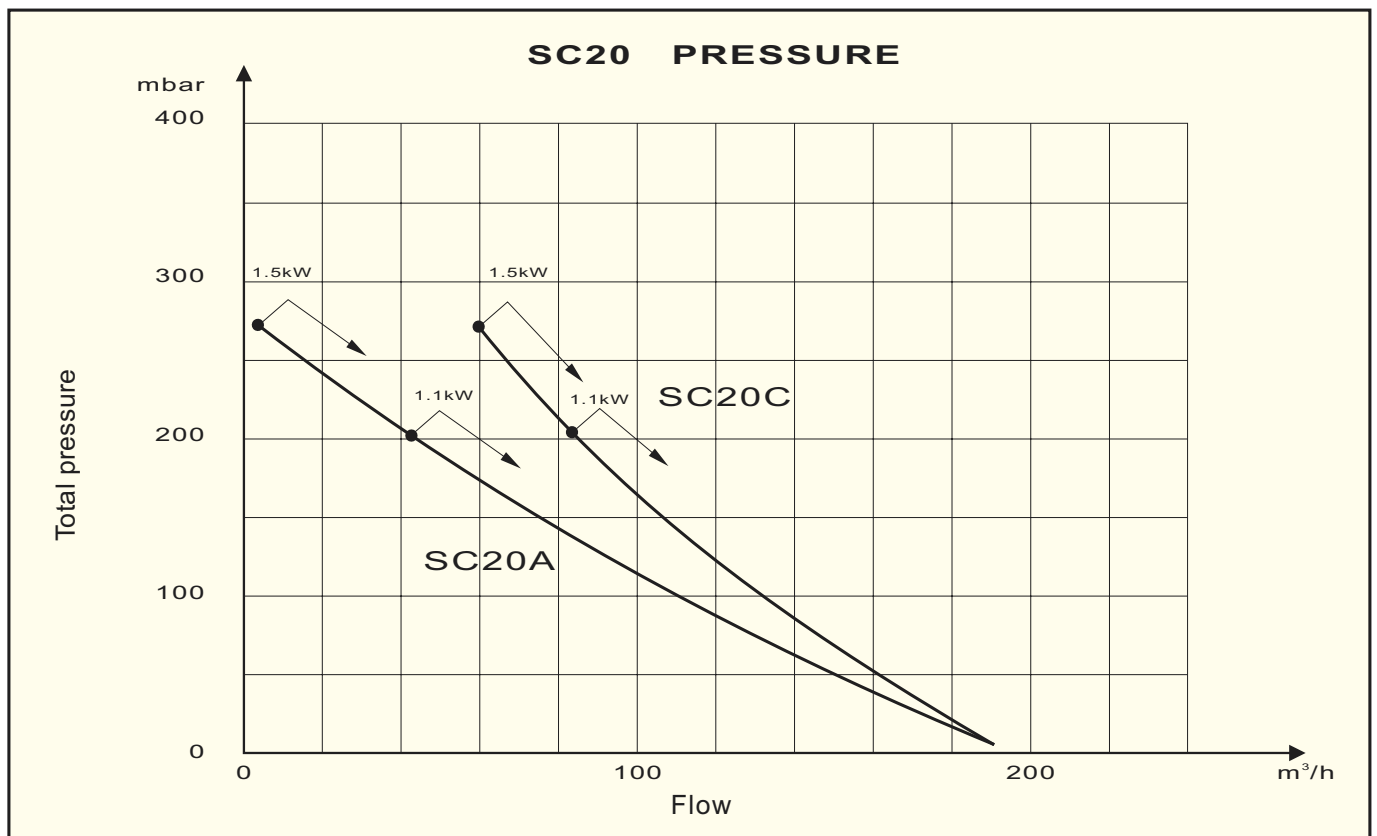
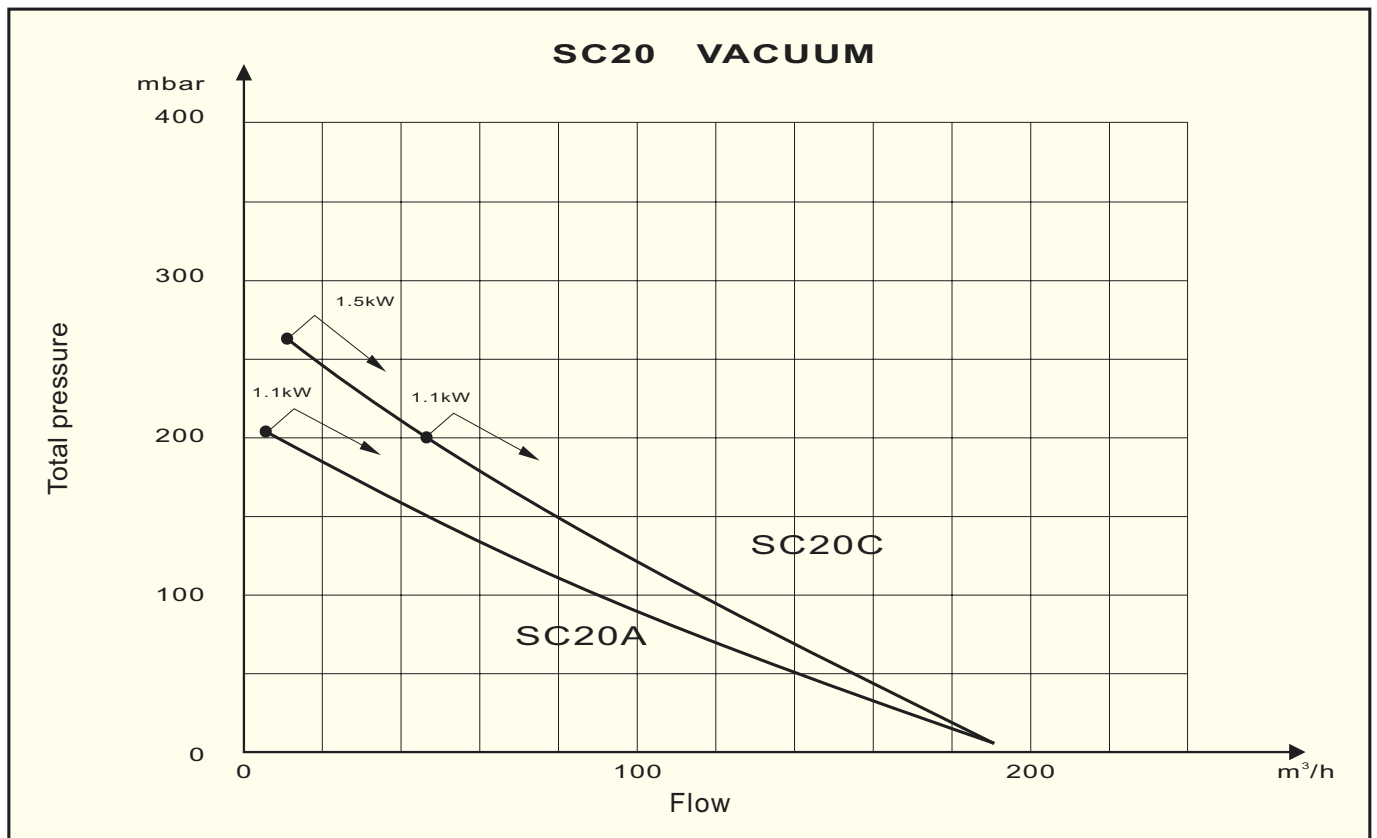


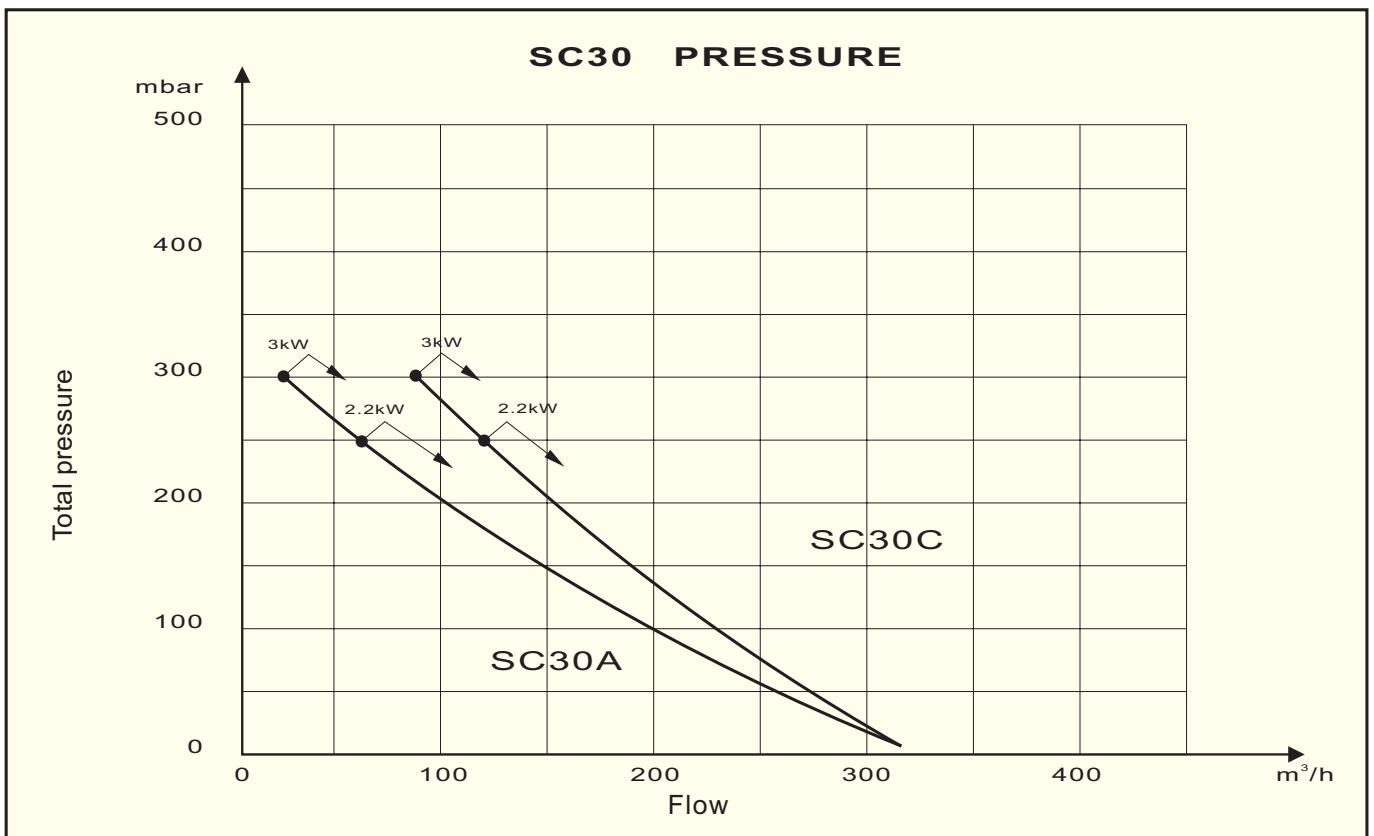
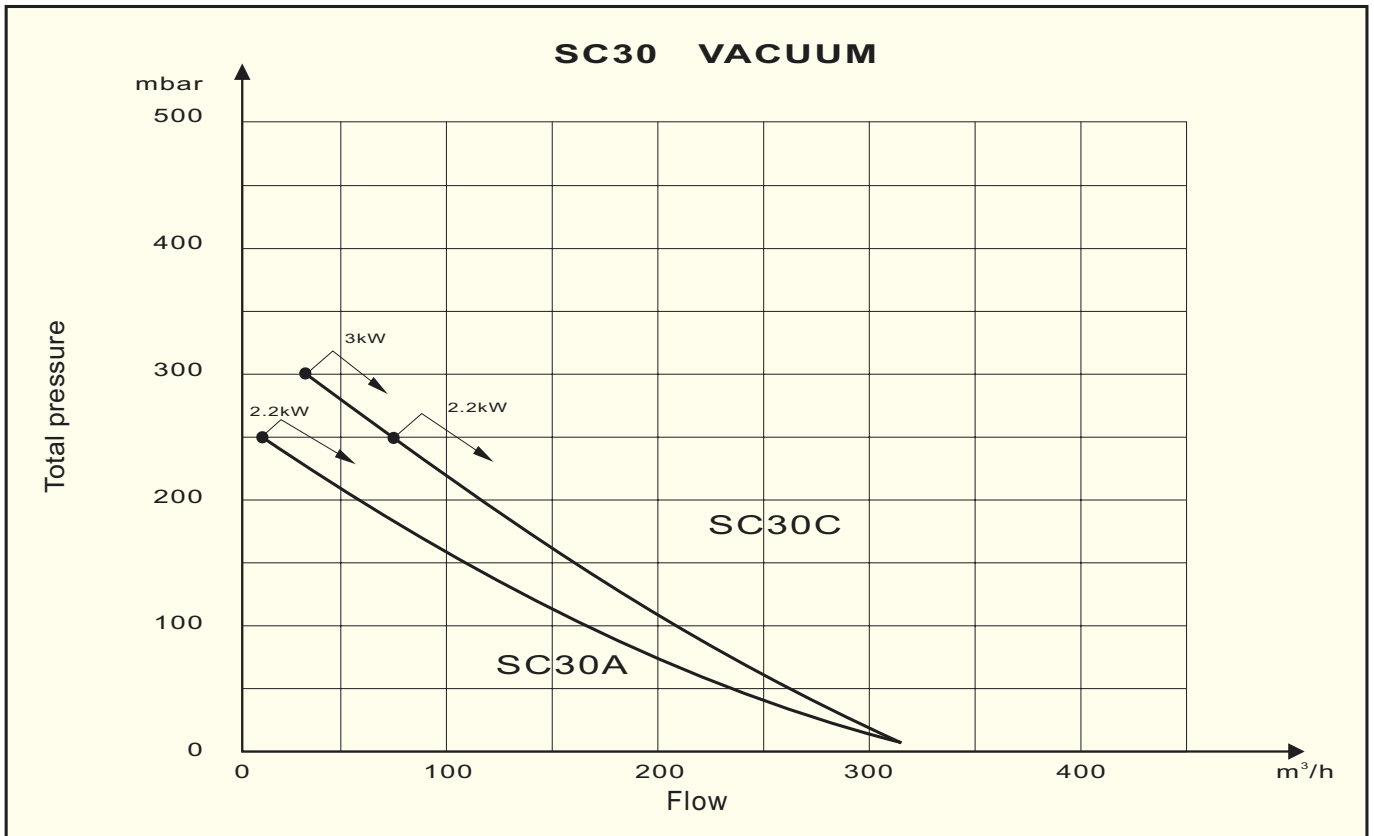
Performance curves

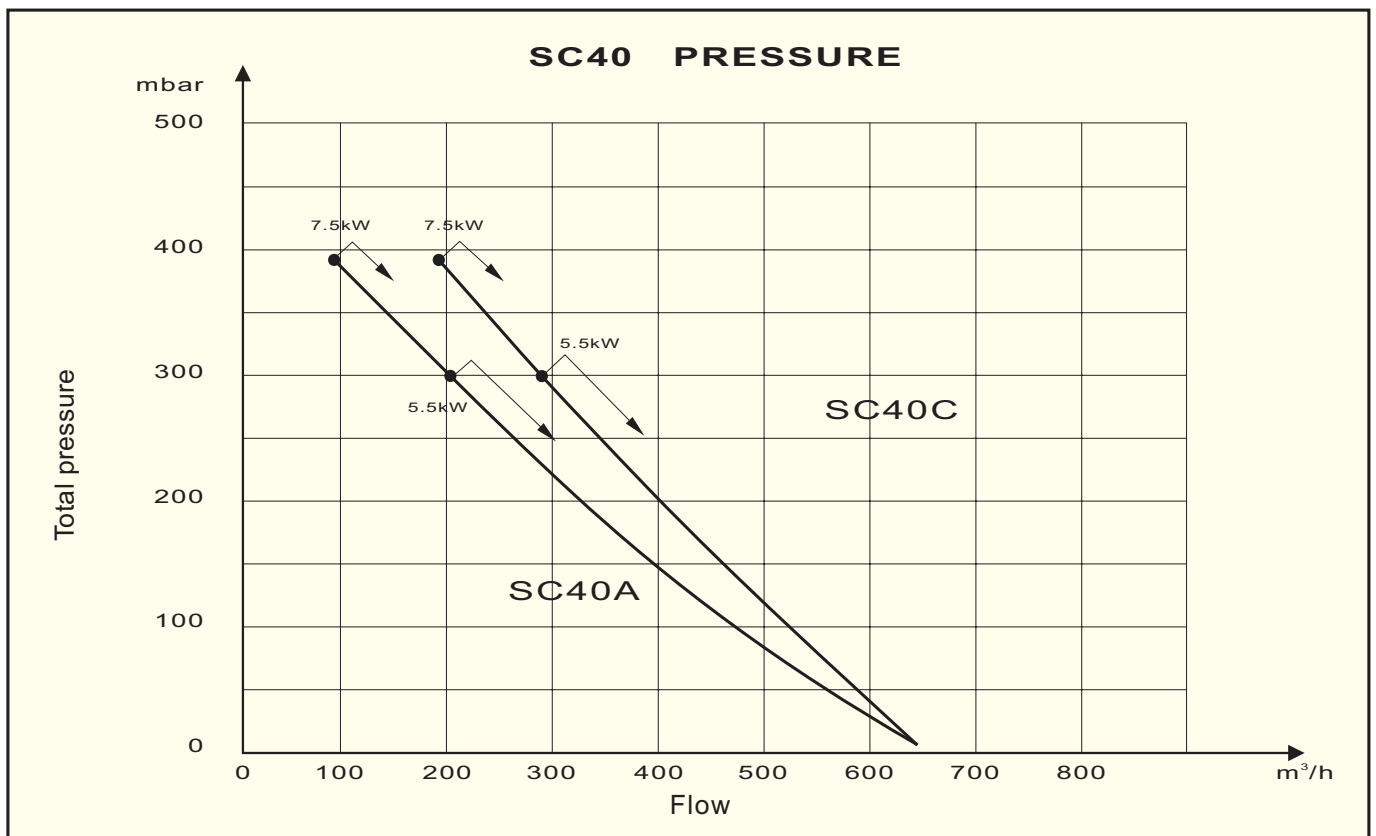
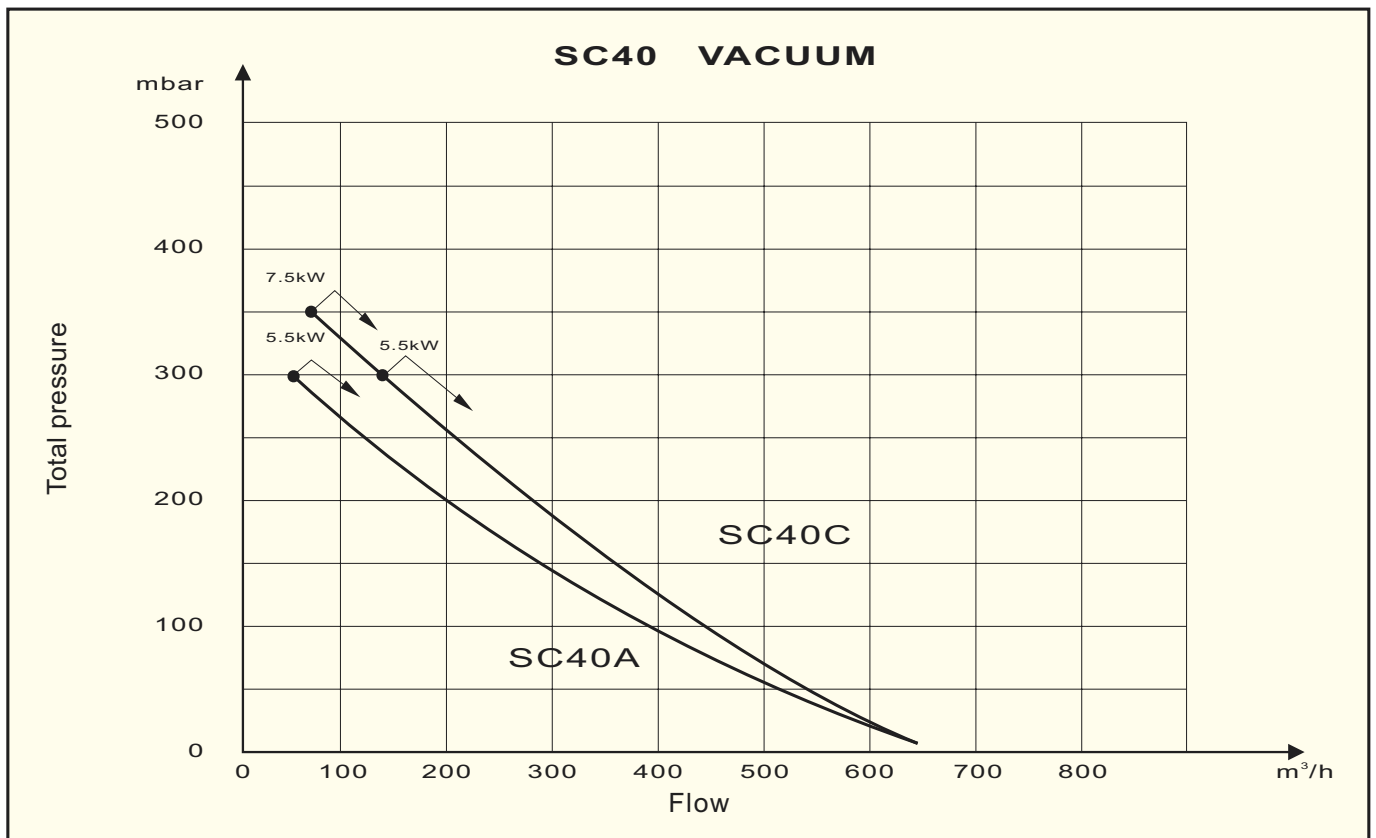


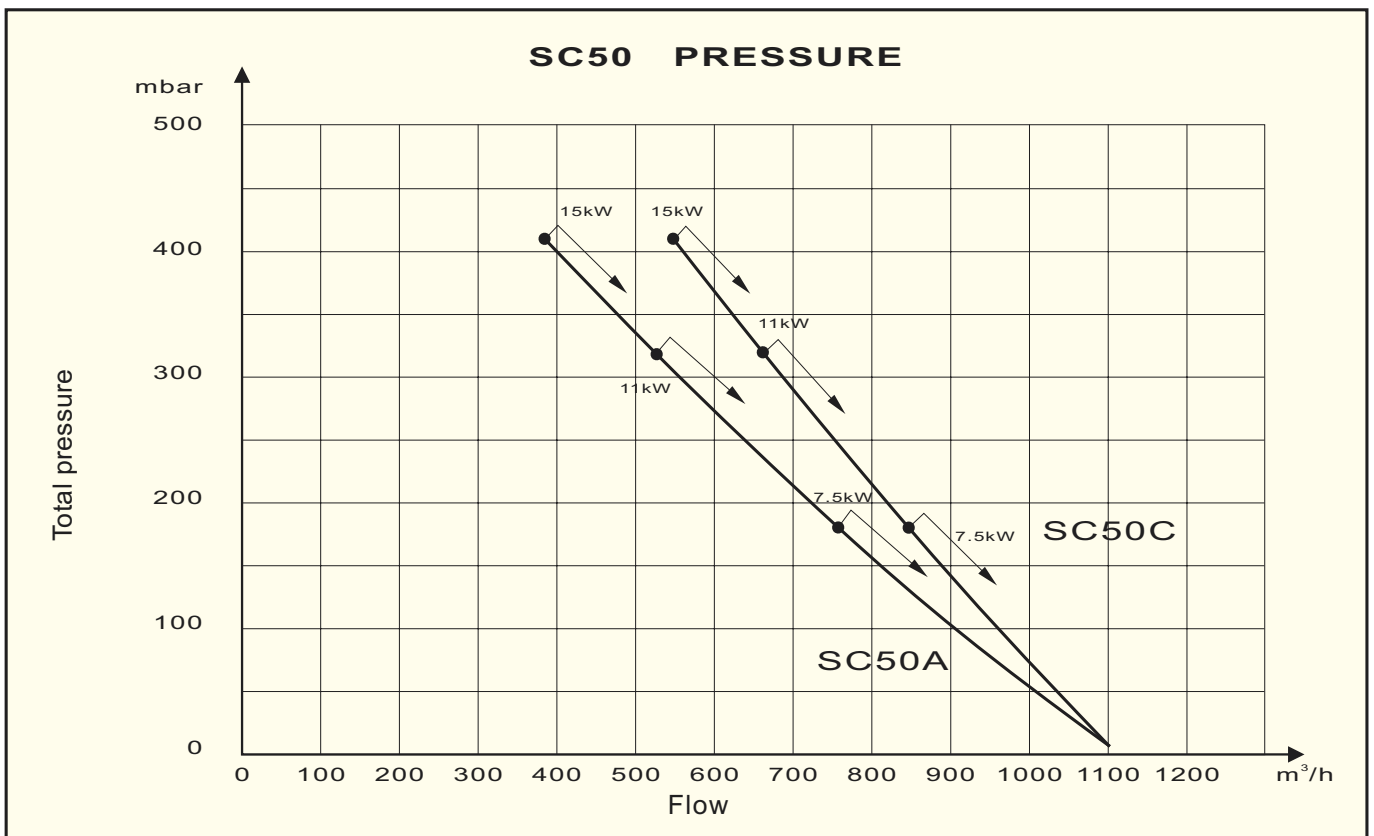
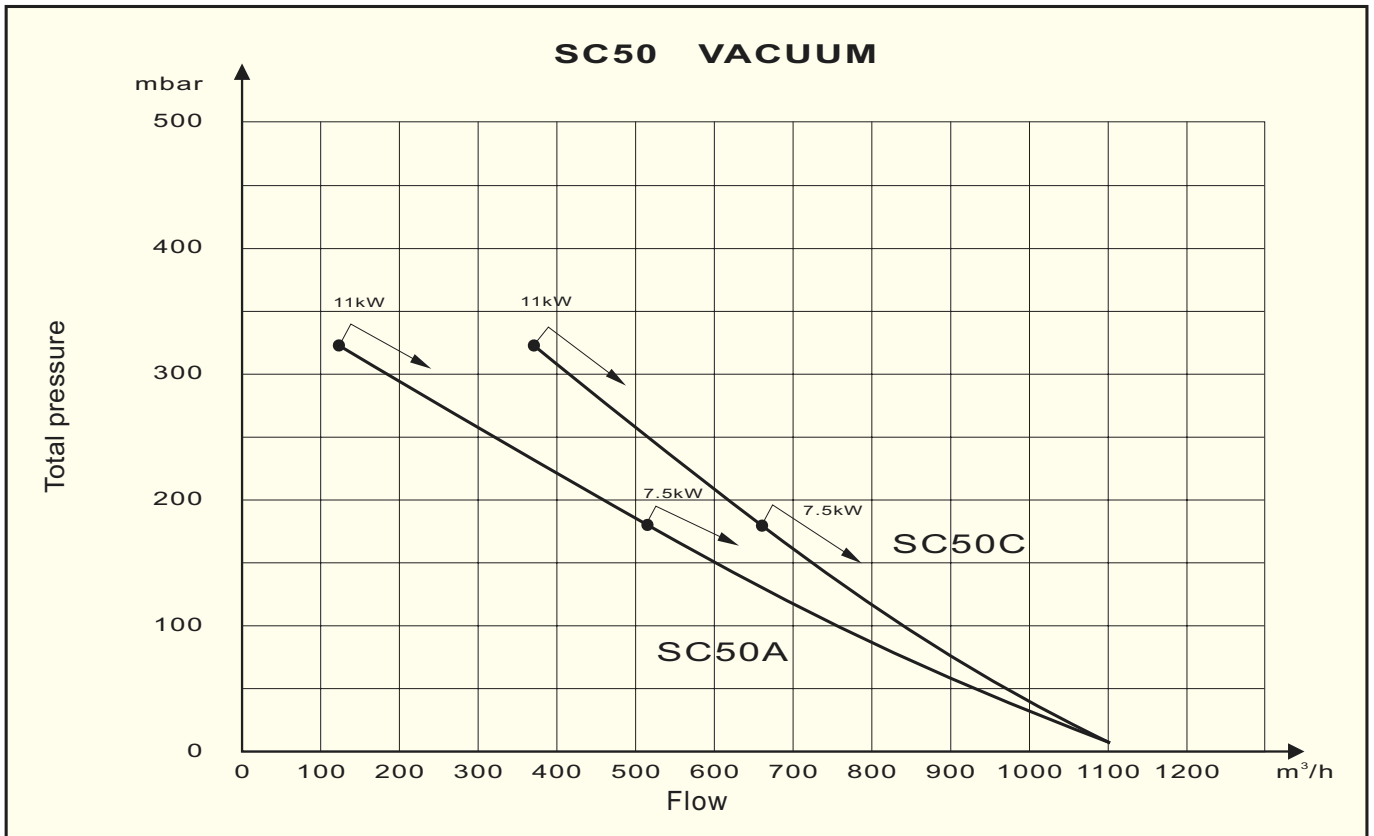


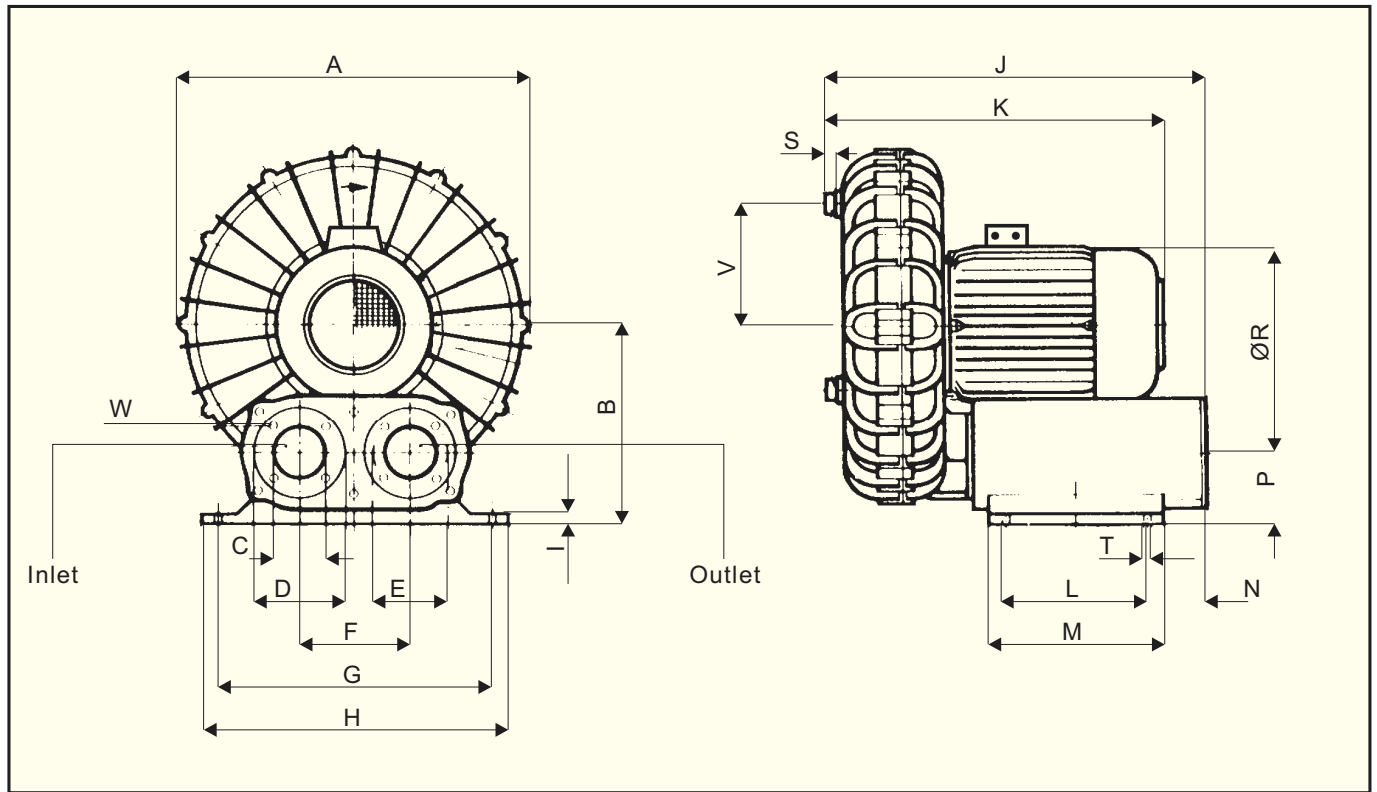












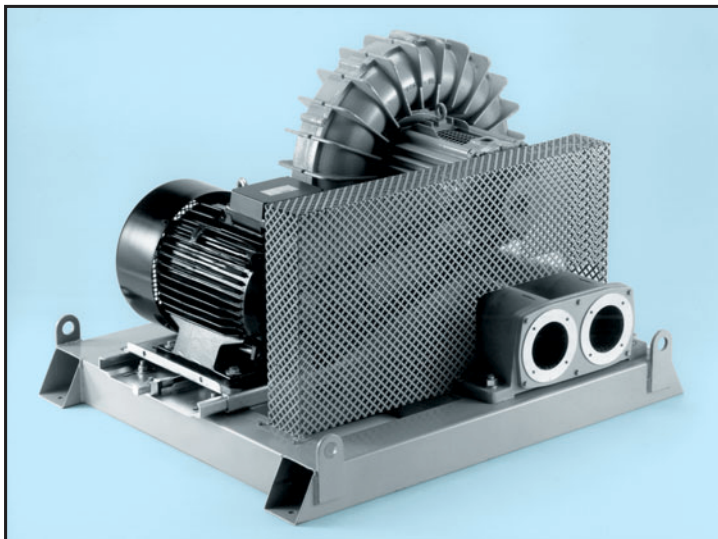
**Dimensions in mm**

Type	A	B	C	D	E	F	G	H	I	J	K (max)	L	M	N	P	R	S	T	W	V
SC10	296	170	45	80	68	90	220	250	12	330	290	120	150	66	60	141	15	11	M5	117,0
SC20	360	200	45	80	68	90	220	250	12	360	348	120	150	66	60	157	15	11	M5	129,5
SC30	395	225	55	100	85	125	310	350	12	445	415	160	200	72	80	175	20	13	M6	140,0
SC40	480	275	75	130	110	145	365	420	12	530	510	260	300	34	80	230	30	14	M8	172,0
SC50	580	336	100	150	130	160	400	450	25	690	650	370	430	50	95	258	30	20	M8	202,0

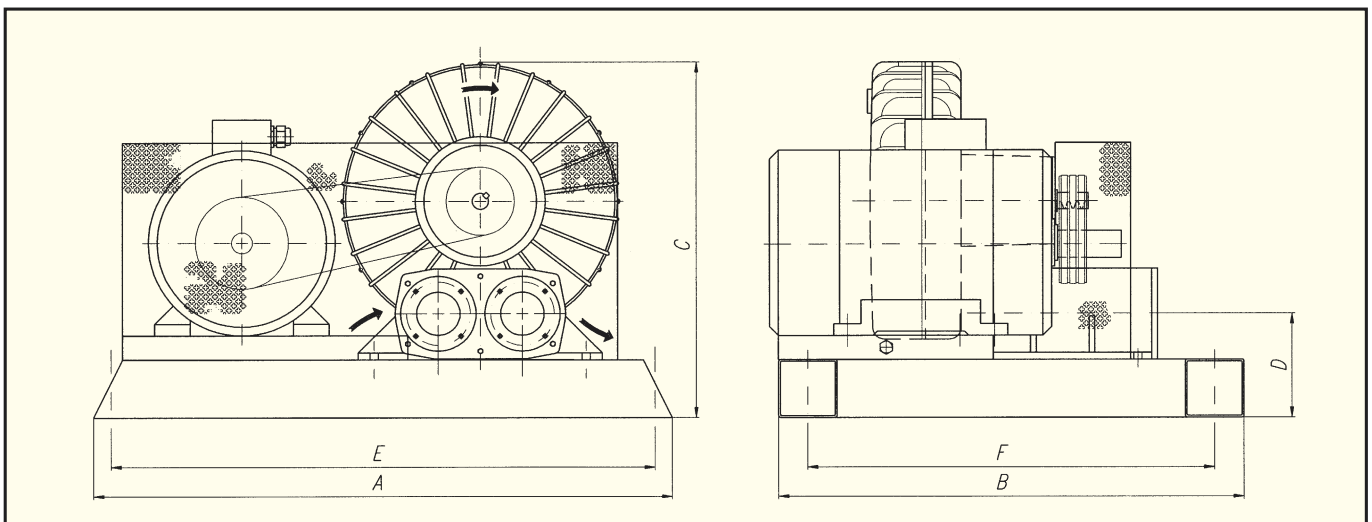
Technical specification

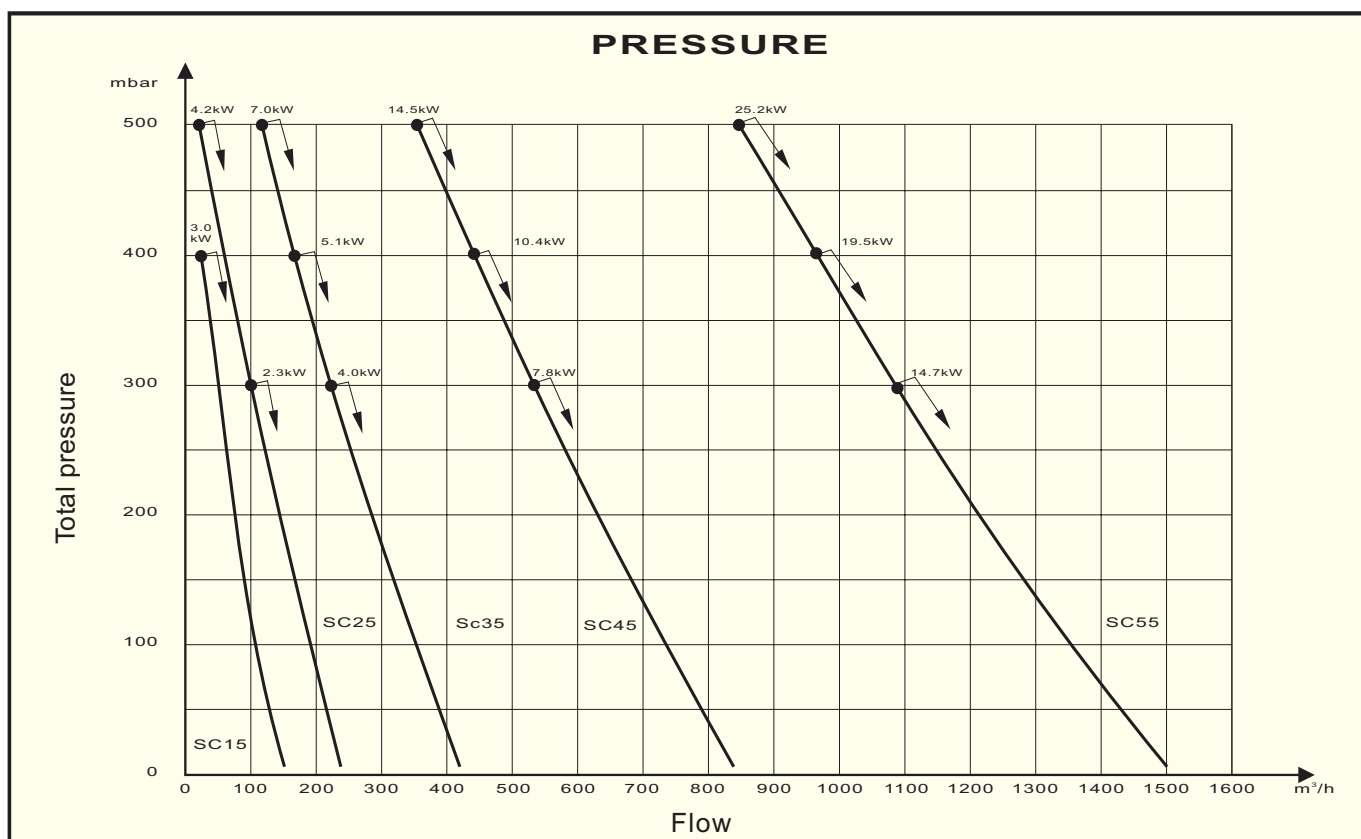
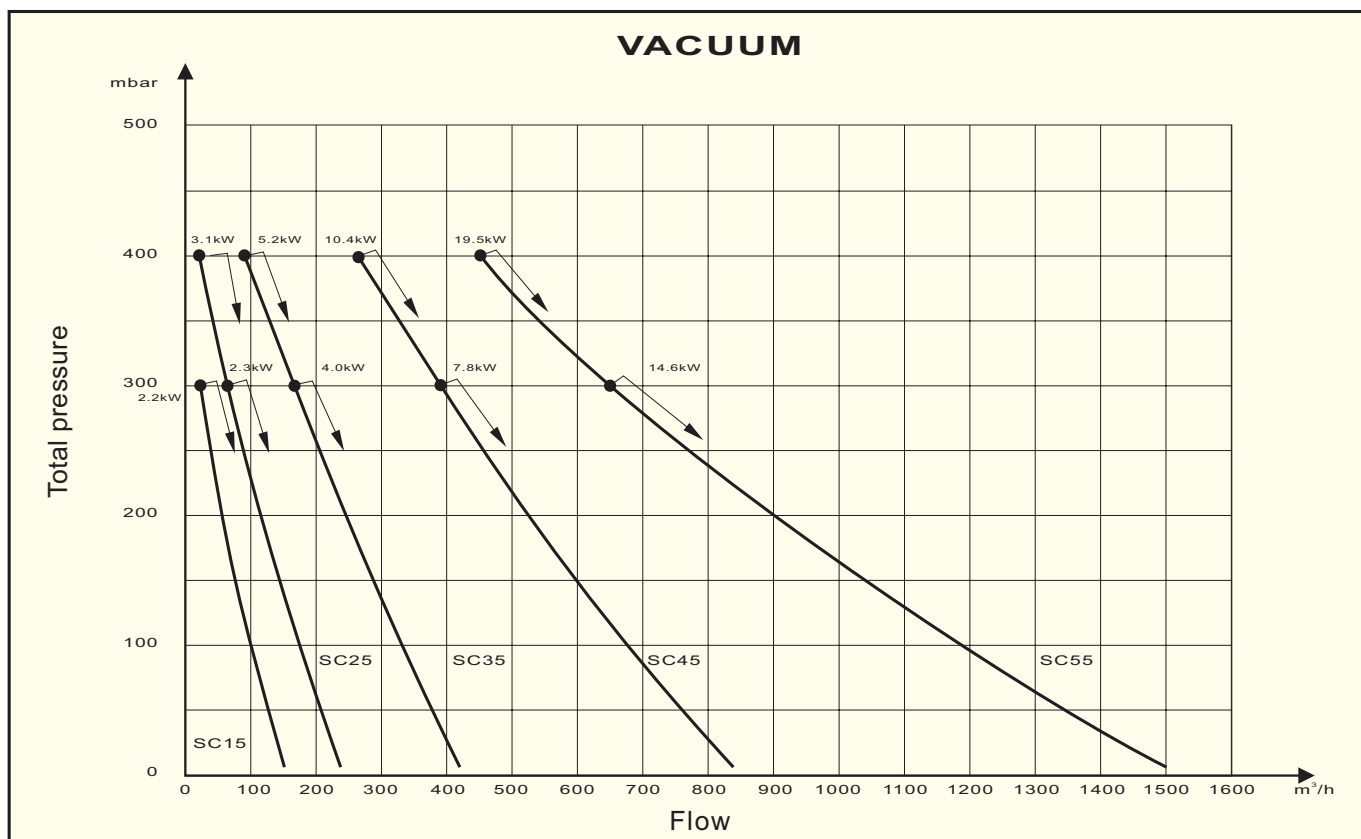
Type	Speed	Power consumption	Vacuum		Pressure		Weight*	Article number
			Flow (max)	Pressure (max)	Flow (max)	Pressure (max)		
	rpm	kW	m³/h	mbar	m³/h	mbar	kg	
SC15	4100	3.0	150	300	150	400	17	113 755 125
SC25	4100	4.2	250	400	250	500	21	113 755 185
SC35	4100	7.0	420	400	420	500	35	113 755 270
SC45	4100	14.5	850	400	850	500	64	113 755 330
SC55	4100	25.2	1500	400	1500	500	85	113 755 410

\* bare unit



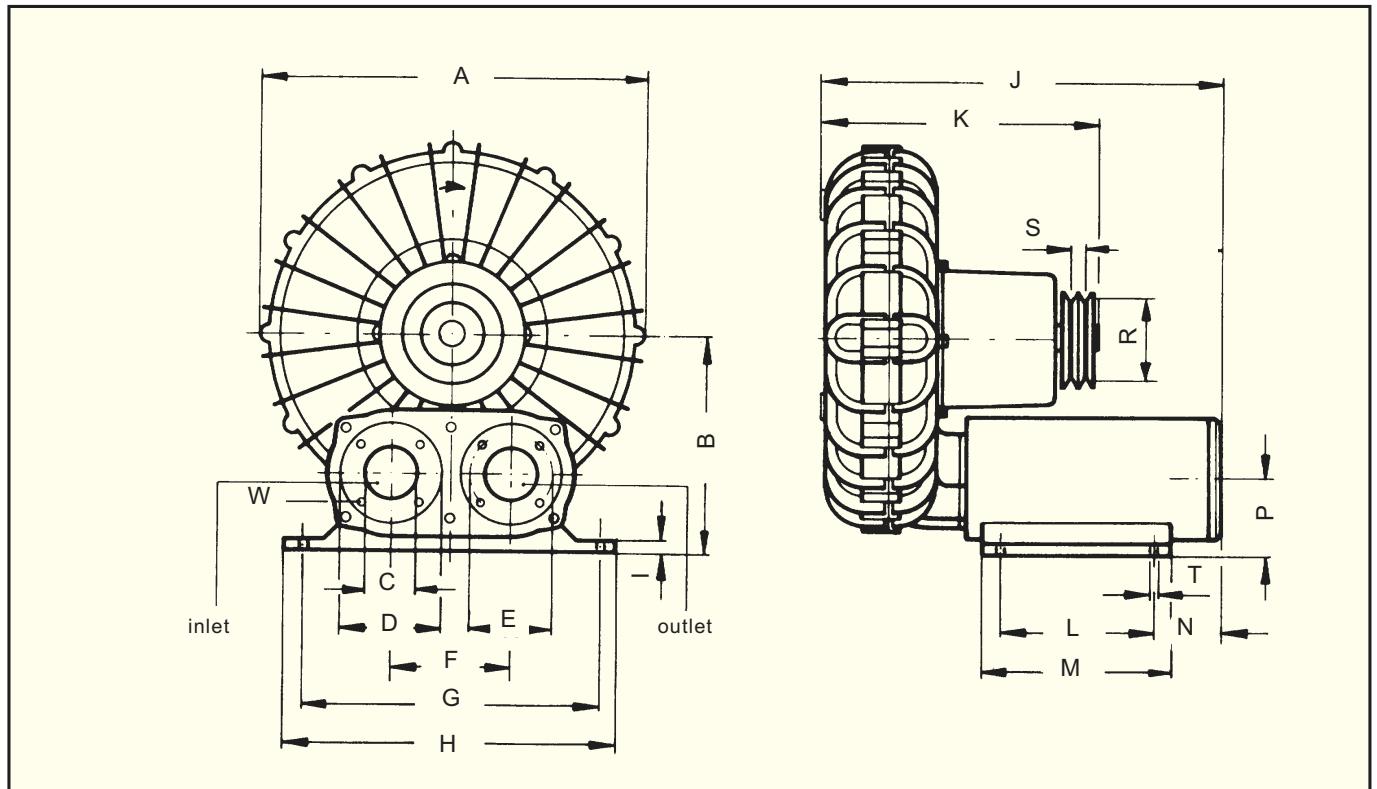
Type	A	B	C	D	E	F
SC15	700	450	330	70	660	410
SC25	700	450	390	70	660	410
SC35	760	530	483	140	700	490
SC45	995	800	612	180	935	740
SC55	1050	890	730	195	970	790





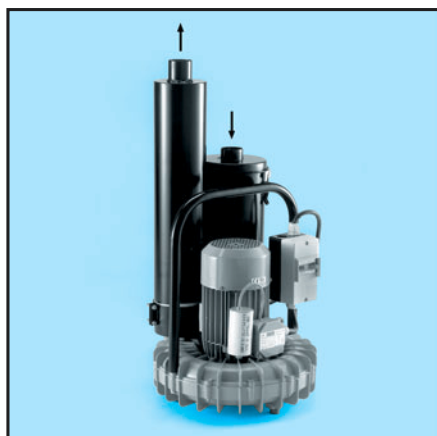


**Bare unit**



**Dimensions in mm**

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	W
SC15	296	170	45	80	68	90	220	250	12	315	215	120	150	66	60	75	12	11	M5
SC25	360	200	45	80	68	90	220	250	12	345	260	120	150	66	60	100	12	11	M5
SC35	395	225	55	100	85	125	310	350	12	425	300	160	200	72	80	100	12	13	M6
SC45	480	275	75	130	110	145	365	420	12	480	380	260	300	34	80	100	12	14	M8
SC55	580	336	100	150	130	160	400	450	20	620	490	370	430	58	95	112	12	20	M8



### Construction

5 sizes, complete with lift handle, silencer, connectors, overload protection and 10m cable (single-phase with plug, three-phase with phase reversible Euro plug).

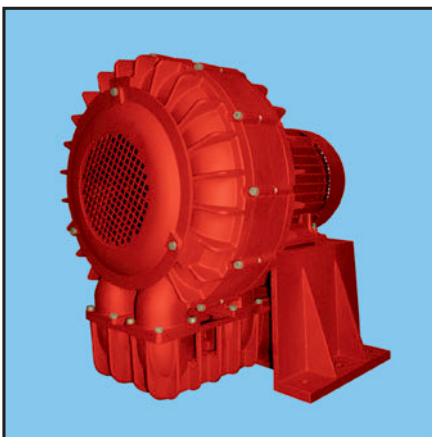
Special sizes can be supplied on request.

### Application:

This unit can also be used for suction of water or insulation or other portable applications.

### Technical specification

Type	Connection	Flow at 125 mbar pressure	Motor power	Voltage	Maximum current	Weight	Article number
	Ø mm	m <sup>3</sup> /h	kW	V	A	kg	
SCX10C-055S	51 (2,0")	55	0,55	230	4,0	24	113 750 161
SCX20A-110S	51 (2,0")	90	1,1	230	7,9	31	113 750 236
SCX20C-150S	51 (2,0")	120	1,5	230	8,7	33	113 750 241
SCX30A-220T	63 (2,5")	170	2,2	230/400	8,0/4,6	44	113 750 271
SCX30C-300T	63 (2,5")	210	3,0	230/400	11,3/6,5	48	113 750 286



### Construction

Direct driven two step side channel blowers designed for oil free conveying of non explosive and non aggressive medium. These blowers are suitable for either pressure or vacuum systems. All blower parts are of cast aluminium, highly resistant to corrosion. Silencer on the discharge- and intake side is standard. Blowers with customer adjusted capacity can be supplied on request.

### Motor

380-420/660-690V, 50Hz three-phase asynchronous motor. Insulation class F, enclosure IP55. Special voltage or frequency, improved enclosure IP65, 2-speed motors and explosion proof motors can be supplied on request.

Wiring diagram, see page 235.

The performance curves hold with a tolerance of  $\pm 10\%$  for pressure and  $\pm 10\%$  for air flow and at an inlet temperature of  $+15^{\circ}\text{C}$ , at an atmospheric pressure of 1013 mbar and at an ambient temperature of  $25^{\circ}\text{C}$ . We reserve the right for construction- and capacity changes without prior notice. We take no responsibility what so ever for any printing errors in the catalogue.

Unbroken curves hold at continuous running and with an ambient temperature of max.  $+40^{\circ}\text{C}$ .



60°C

### Data

Type	MOTOR			Maximum duty m <sup>3</sup> /h	Sound pressure level dB (A)	Weight kg	Article number
	Motor power kW	Voltage V	Maximum current A				
Parallel running							
PSC30C550T	5,50	400 Δ	10,50 Δ	600	82	110	213 700 300
PSC30C750T	7,50	400 Δ	14,00 Δ	600	84	110	213 700 310
PSC40A750T	7,50	400 Δ	14,00 Δ	1270	84	126	113 700 390
PSC40A1100T	11,00	400 Δ	21,20 Δ	1270	86	128	113 700 400
PSC40A1500T	15,00	400 Δ	27,20 Δ	1270	88	155	113 700 410
Serial running							
DSC30C550T	5,50	400 Δ	10,50 Δ	300	82	110	213 800 300
DSC30C750T	7,50	400 Δ	14,00 Δ	300	84	110	213 800 310
DSC40A750T	7,50	400 Δ	14,00 Δ	700	84	126	113 800 390
DSC40A1100T	11,00	400 Δ	21,20 Δ	700	86	128	113 800 400
DSC40A1500T	15,00	400 Δ	27,20 Δ	700	88	155	113 800 410

### Accessories



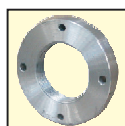
Silencer  
with connector



Connector



Welded  
flange

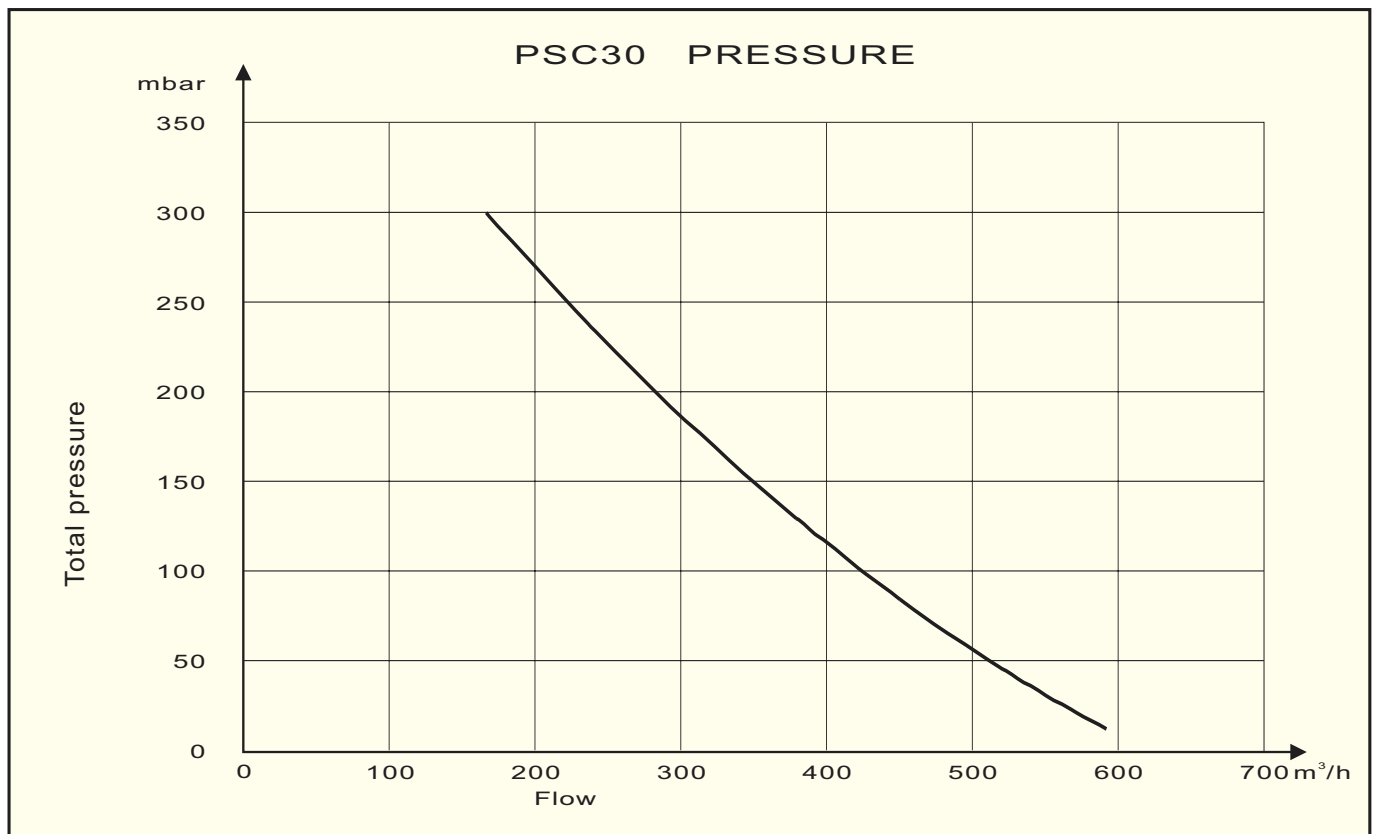
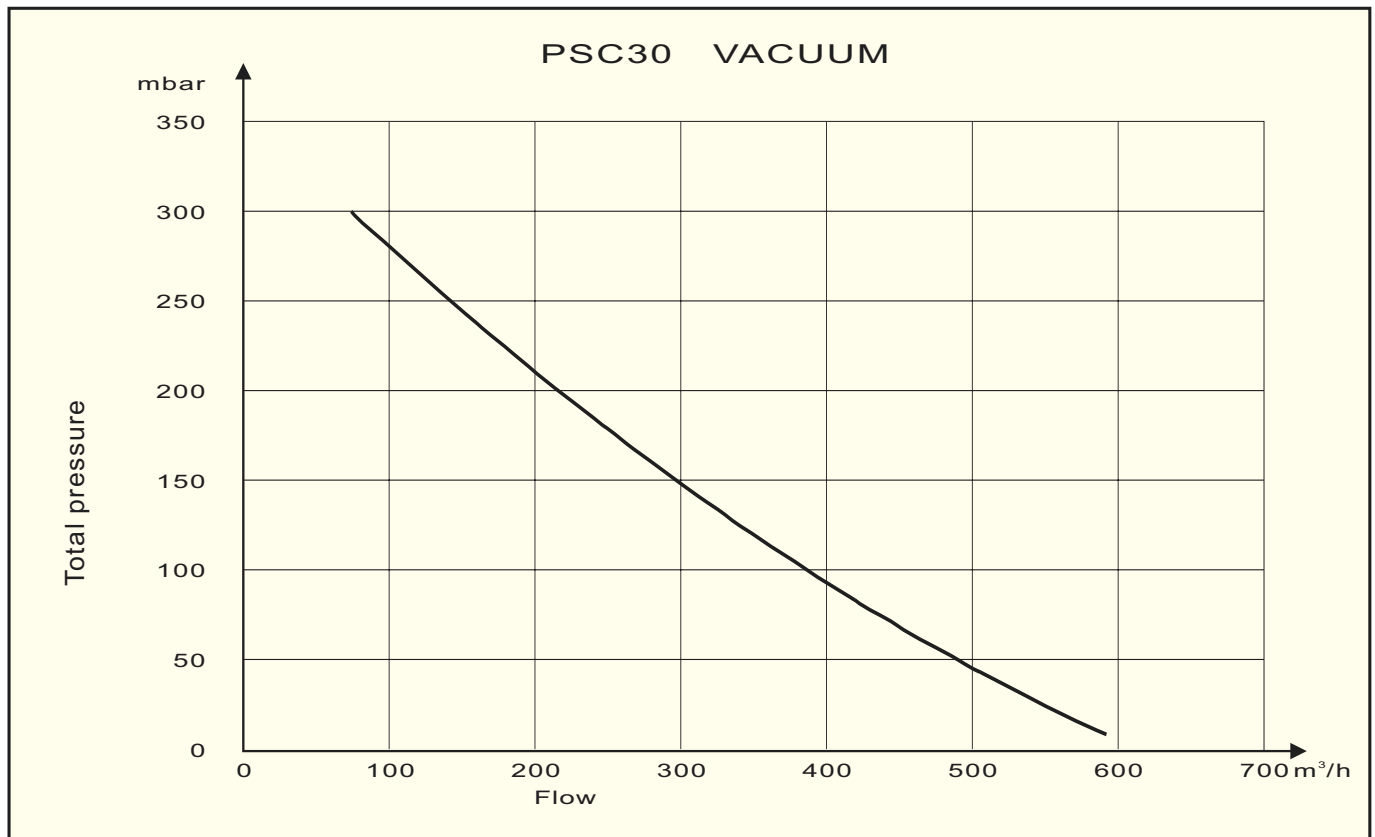


Threaded  
flange

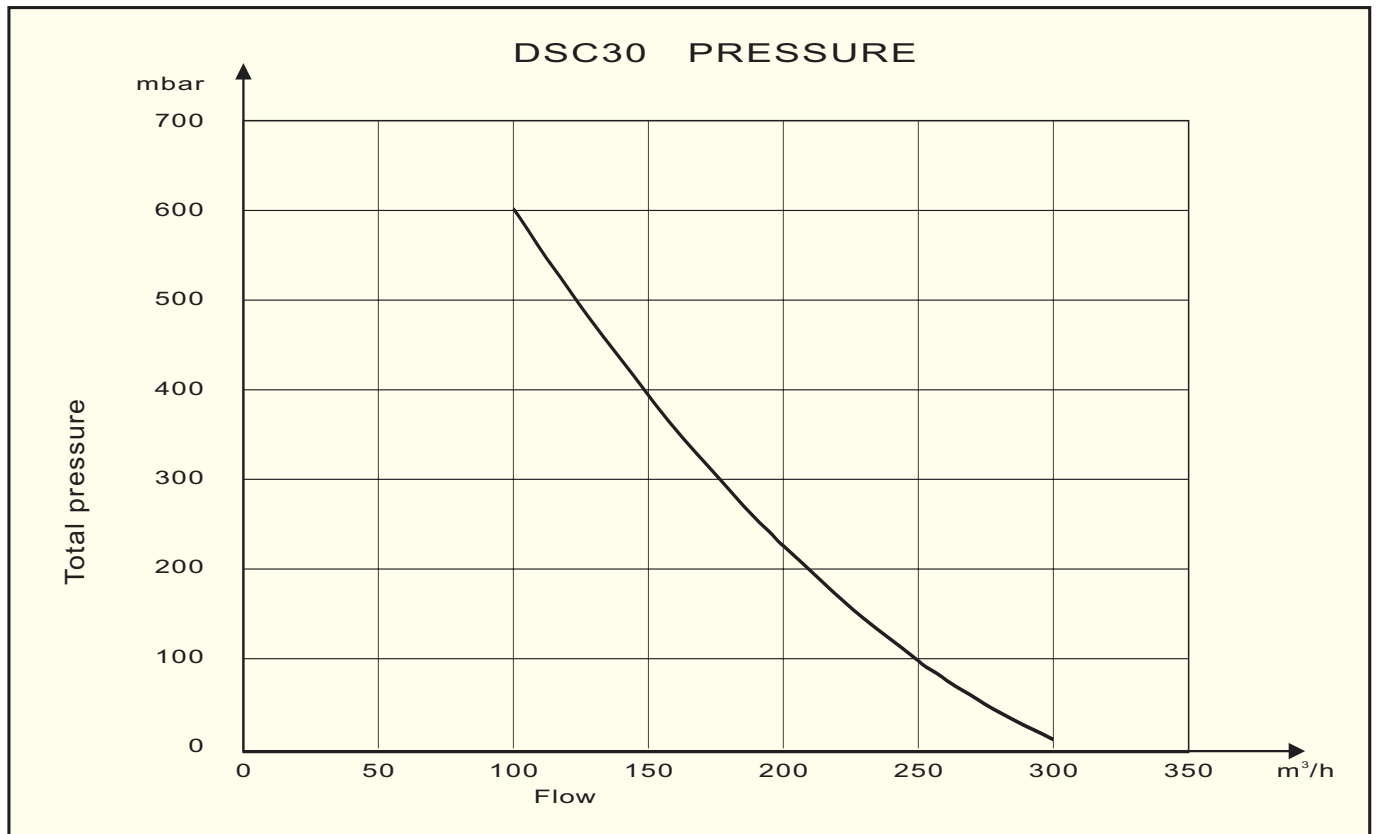
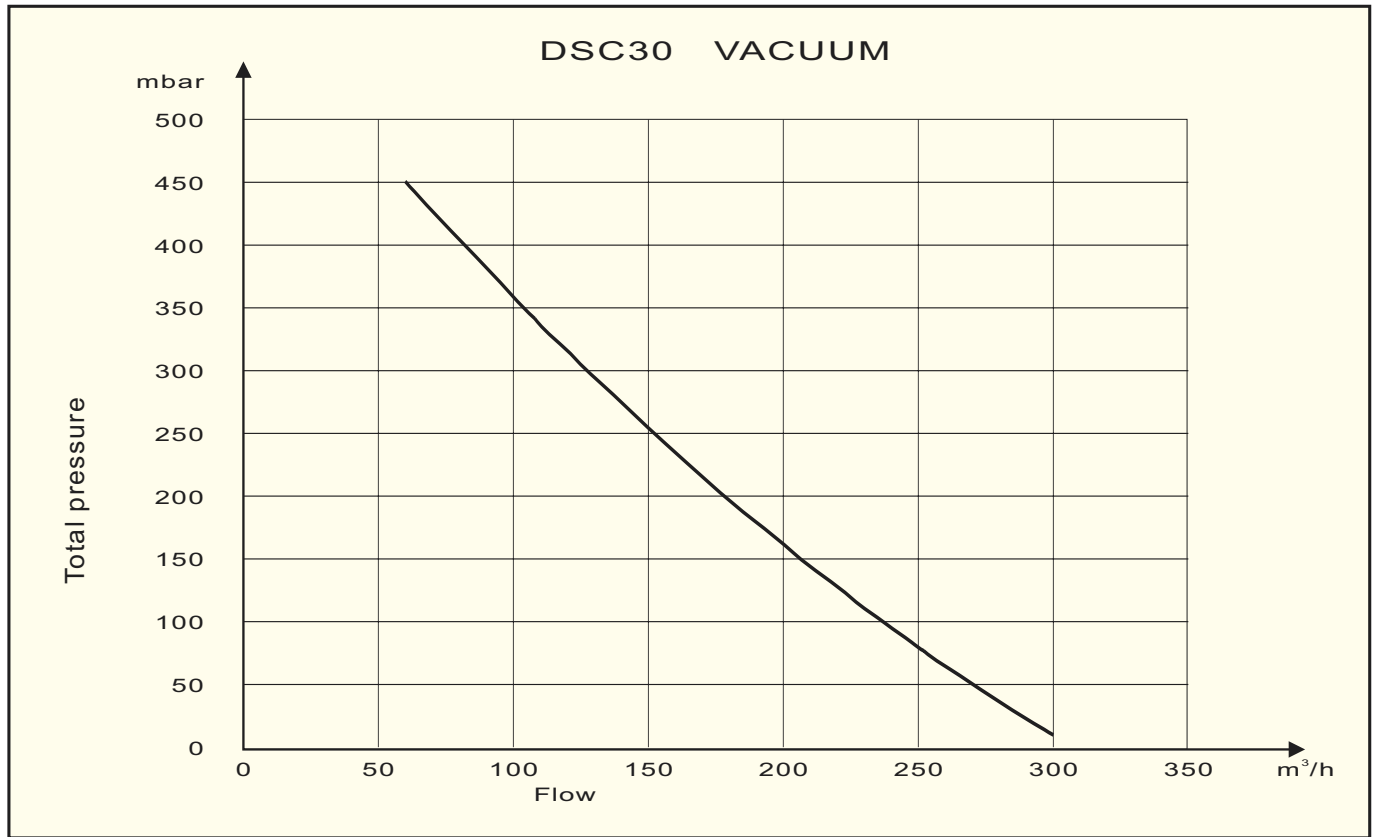


Filter

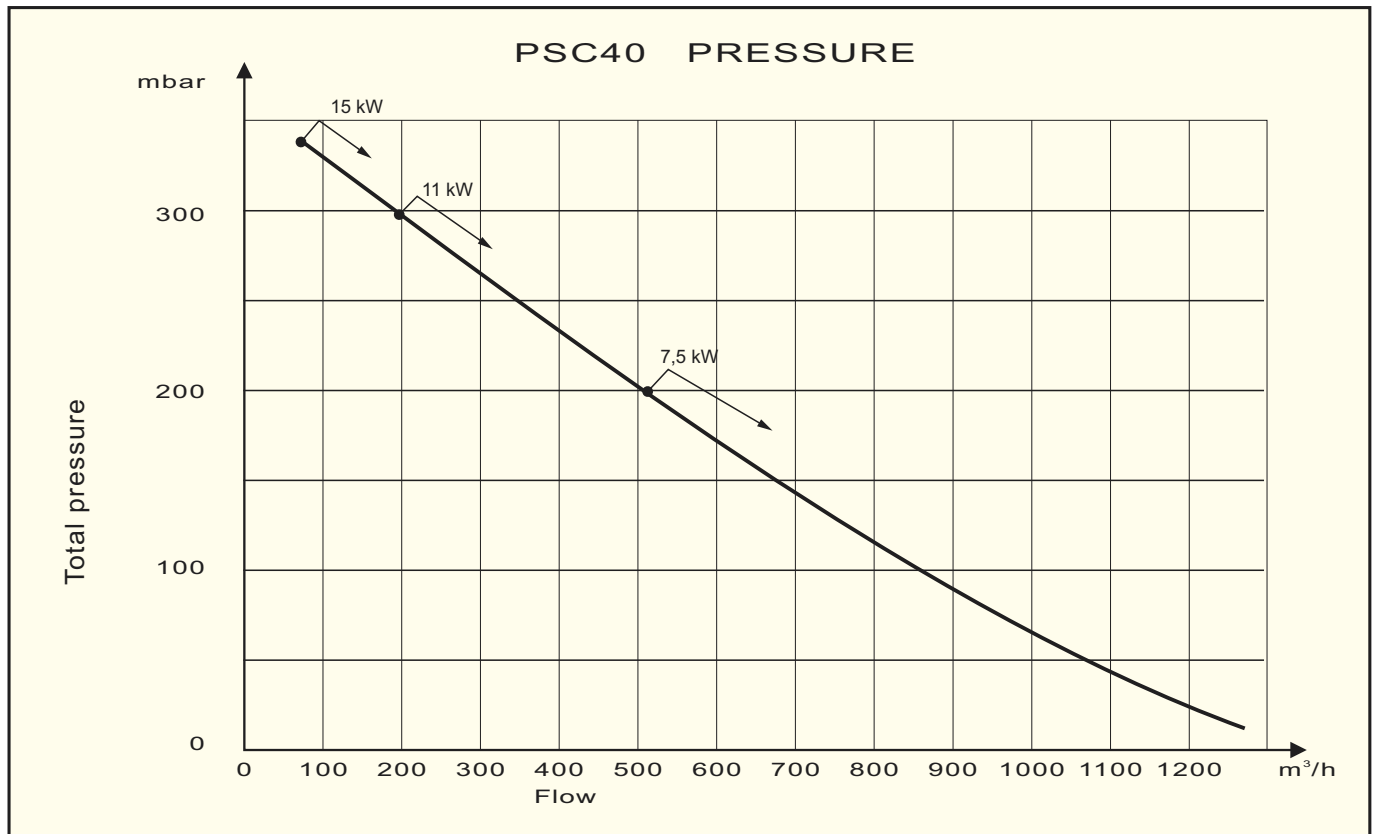
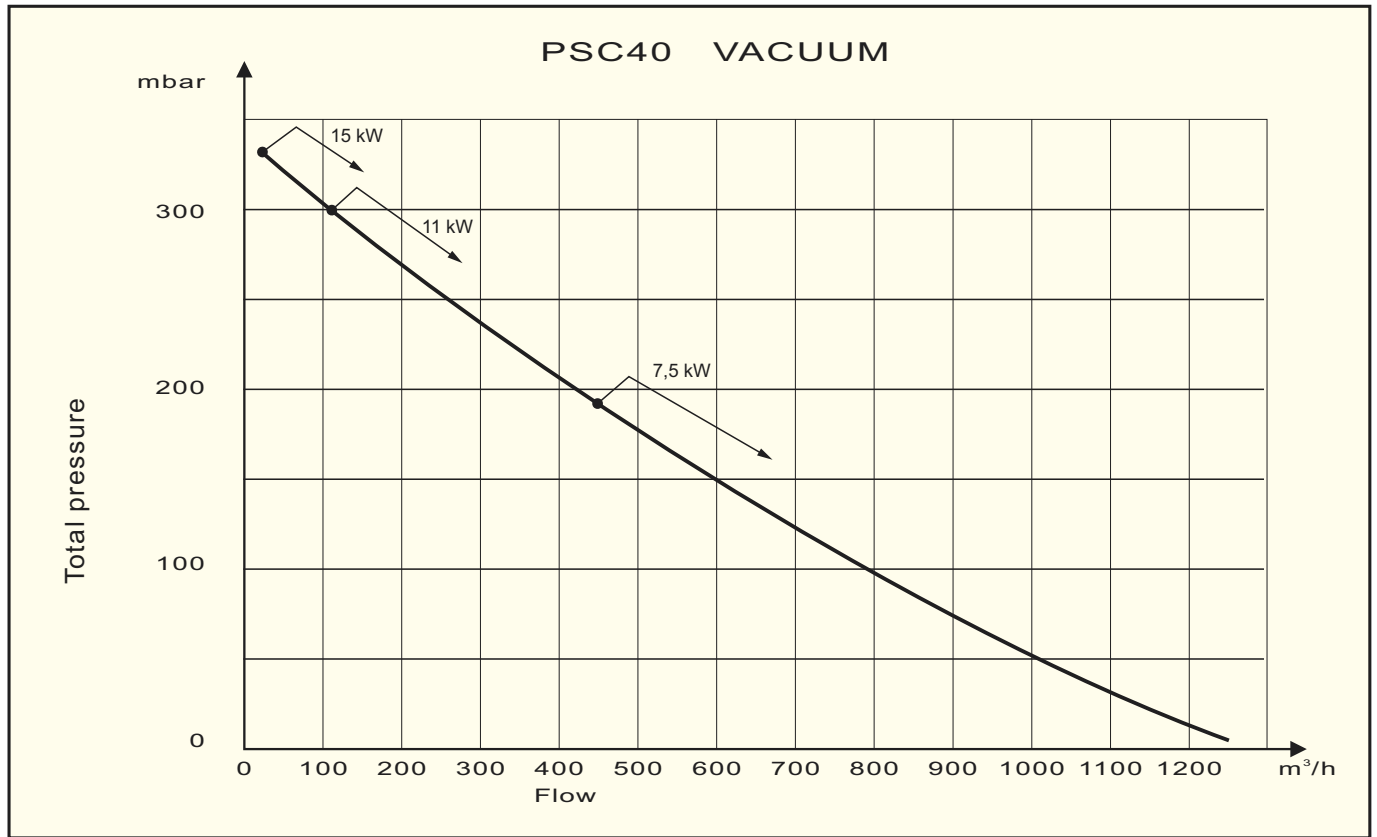
## Performance curves PSC



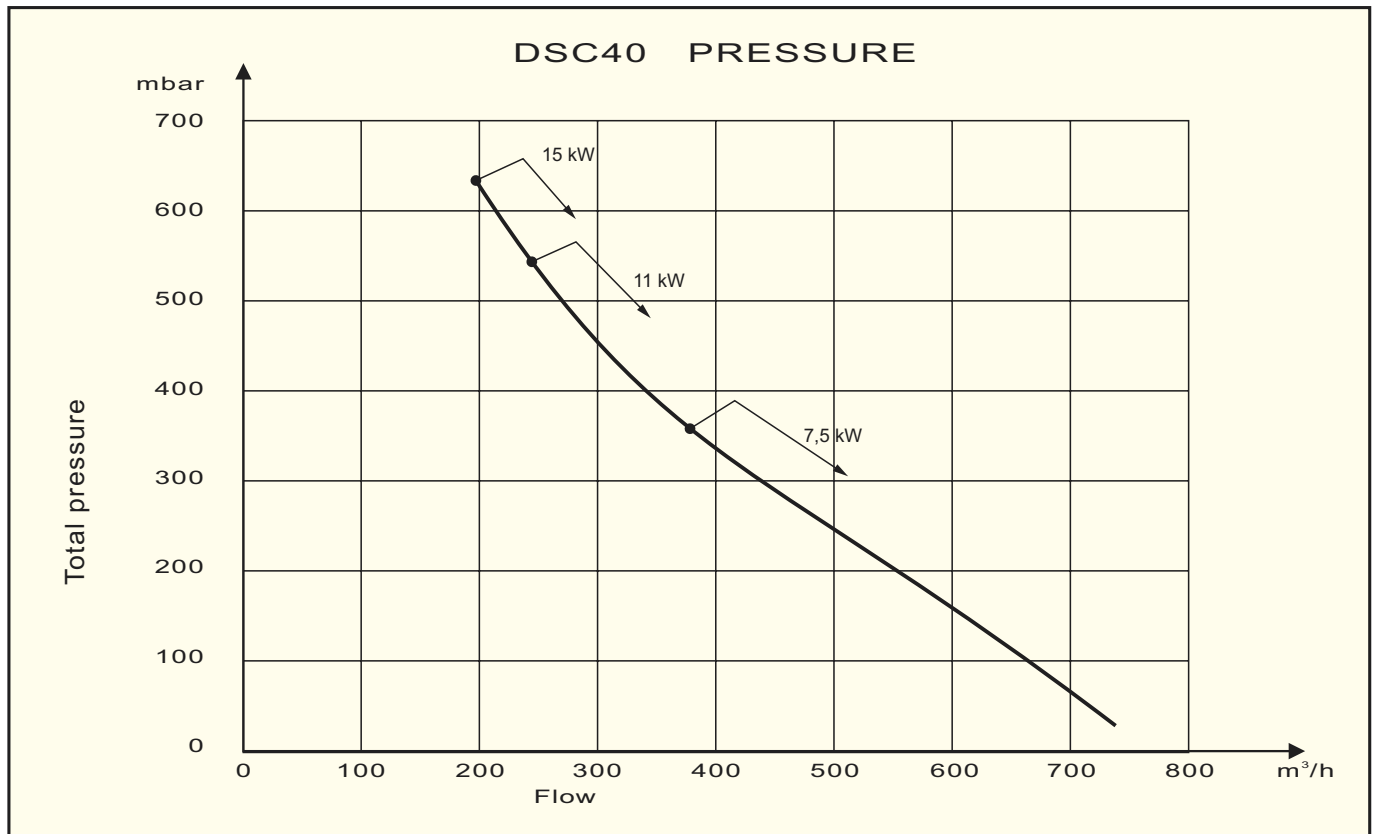
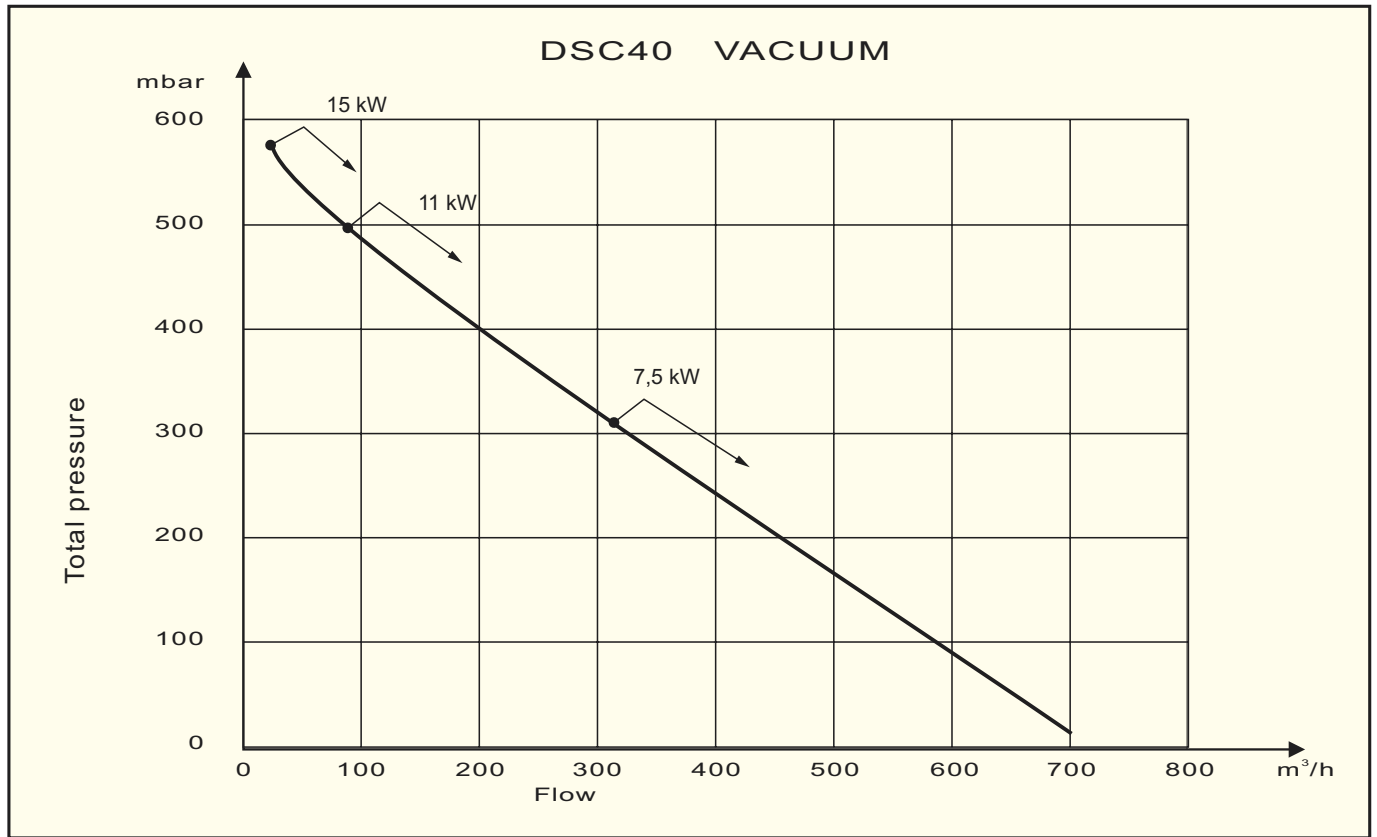
Performance curves DSC



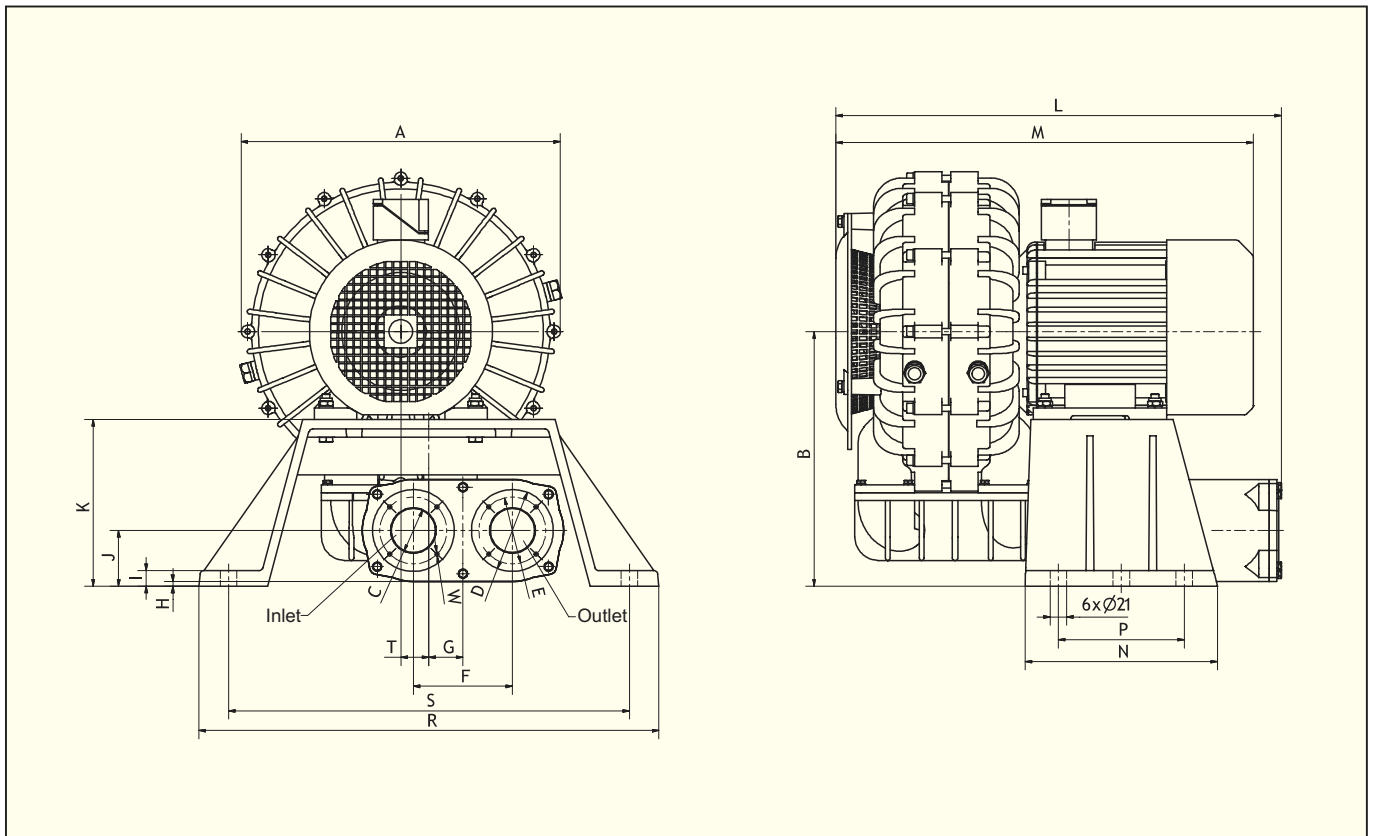
Performance curves PSC



Performance curves DSC



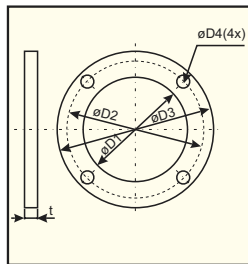




**Dimensions in mm**

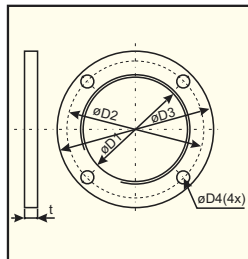
Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	W
DSC-30	Ø406	324	Ø58	Ø104	Ø85	126	43,5	6,2	20	71	212	567	531	245	160	585	510	79	M6
PSC-30	Ø406	324	Ø58	Ø104	Ø85	126	0	6,2	20	71	212	567	531	245	160	585	510	0	M6
DSC-40	Ø502	407	Ø75	Ø130	Ø110	145	32,5	1,5	20	76,5	275	653	584	340	260	600	520	74,5	M8
PSC-40	Ø502	407	Ø75	Ø130	Ø110	145	32,5	1,5	20	76,5	275	653	584	340	260	600	520	0	M8

**Welding flange**



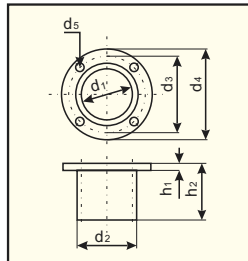
Type	D1	D2	D3	D4	t	Article number
SC10	45	68	80	5.5	10	113 762 185
SC20	45	68	80	5.5	10	113 762 185
SC30	58	85	104	6.5	10	113 762 270
SC40/DSC40	75	110	130	9.0	10	113 762 330
SC50	100	130	150	9.0	10	113 762 411

**Threaded flange**



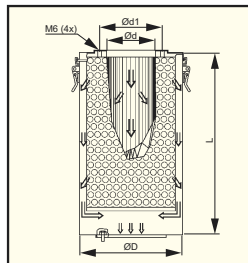
Type	D1	D2	D3	D4	t	Article number
SC10	R1½" x 15	68	80	5.5	15	113 763 185
SC20	R1½" x 15	68	80	5.5	15	113 763 185
SC30	R2" x 15	85	104	6.5	15	113 763 270
SC40/DSC40	R2½" x 20	110	130	9.0	20	113 763 330
SC50	R3½" x 20	130	150	9.0	20	113 763 411

**Connector**



Type	d1	d2	d3	d4	d5	h1	h2	Article number
SC10	46	51	68	80	6.0	6	60	113 761 185
SC20	46	51	68	80	6.0	6	60	113 761 185
SC30	57	63	85	100	7.0	8	60	113 761 270
SC40/DSC40	70	76	110	130	9.0	10	60	113 761 330
SC50	96	102	130	145	9.0	12	60	113 761 411

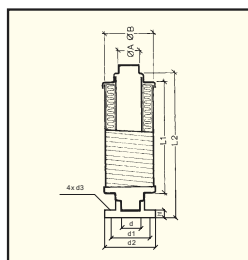
**Filter**



Blower type	Filter type	Article number	Cartridge type	Article number	ØD	Ød	L	Ød1
SC10, SC20	G20	113 770 125	PG 20	113 771 125	156	51	374	68
	F20	113 770 126	PF 20	113 771 126	156	51	374	68
SC30	G30	113 770 270	PG 30	113 771 125	156	63	374	68
	F30	113 770 271	PF 30	113 771 126	156	63	374	68
SC40	G40	113 770 330	PG 40	113 771 330	219	76	394	110
	F40	113 770 331	PF 40	113 771 331	219	76	394	110
SC50	G50	113 770 411	PG 50	113 771 330	219	101	394	130
	F50	113 770 412	PF 50	113 771 331	219	101	394	130

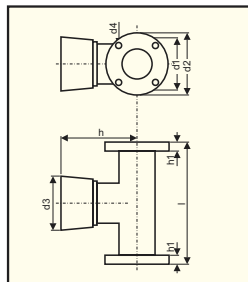
G - standard filter, F - fine filter DOP 99,97%

**Silencer with connector**

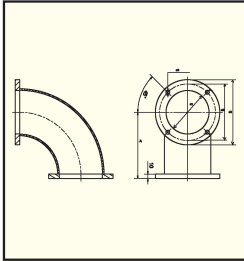


Type	A	B	d	d1	d2	d3	h1	l1	l2	Article number
SC10	50	105	45	68	80	6.0	6	455	610	113 767 185
SC20	50	105	45	68	80	6.0	6	455	610	113 767 185
SC30	70	125	60	85	100	7.0	8	455	620	113 767 270
SC40/DSC40	80	125	75	110	130	9.0	10	455	630	113 767 330
SC50	100	150	95	130	145	9.0	12	455	640	113 767 411

**Pressure and vacuum relief valve**



Type	l	d	d1	d2	d3	d4	h	h1	Vacuum Article number	Pressure Article number
SC10	180	45	68	80	125	6	150	8	113 768 401	113 768 451
SC20	180	45	68	80	125	6	150	8	113 768 403	113 768 453
SC30	180	55	85	100	125	7	150	8	113 768 406	113 768 456
SC40/DSC40	206	75	110	130	180	9	210	8	113 768 411	113 768 461
SC50	206	100	130	145	180	9	210	8	113 768 415	113 768 465

**Bend**

Type	A	d1	d2	d3	d4	Article number
SC10	67	45	68	80	6	113 760 283
SC20	67	45	68	80	6	113 760 285
SC30	86	55	85	100	7	113 760 286
SC40	105	75	110	130	9	113 760 287
SC50	153	100	130	145	9	113 760 288

**Automatic reversing valve**

Motor driven automatic reversing valve in cast aluminium mounted directly on the side channel blower. The reversing valve allows reversing from pressure to vacuum in the shortest possible time without having to change the direction of rotation of the blower.

Automatic reversing valve can be supplied on request.

