

ACP

Single inlet centrifugal fan,
forward curved blades in polypropylene for corrosive fluids



Product

ACP

Construction

Fan wheel and scroll housing: polypropylene with high-performance graphite nylon hub

FAN

Centrifugal fan made of injection-molded polypropylene, constructed with acid-resistant material for corrosive fume extraction, commonly used in laboratories, extraction hoods, systems pharmaceutical and electroplating plants. Particularly used where resistance to chemical agents, low noise and energy savings are required. Adjustable scroll housing in UV-resistant polypropylene. Forward curved blade impeller made of polypropylene, statically balanced and dynamically according to ISO standards. Perfect balance, low noise and durability are ensured, guaranteeing quality and long service life.

MOTOR

Three-phase asynchronous with squirrel cage rotor, class IE3, in single-phase 230 V/50 Hz B3 frame, IP55 protection class, according to UNELMEC standards. Installed as 2, 4 or 6 pole depending on the required speed, or dual polarity for two-speed versions. Mounting is intended on a support base. Minimum fluid temperature: -25 °C. Maximum fluid temperature: +60 °C.

MODELS

– ATEX version II 2G: EEx-d IIB, EEx-d IIC, T4.

APPLICATIONS



HOSPITALS



INDUSTRIES
CHEMICAL



ATEX



TECHNICAL FEATURES - OPERATING RANGE

Operating range	Flow rate (m³/h)	From 100 to 10,000
	Pressure (Pa)	From 20 to 1,000
Min. impeller diameter	mm	140
Max. impeller diameter	mm	240
Motor	Volt (±10%)	230 M / 230-400 T / 400-690 T
	Poles	2-4-6
	IP	55
Fluid temp min. limit	°C	-25
Fluid max. temp limit	°C	+60

QUICK SELECTION TABLE

Model	Power Installed kW	RPM	dB(A)	Total pressure PT = Pa																				
				Flow rate v = m³/h																				
				100	150	200	250	350	450	600	800	950	1200	1600	2000	2400	2800	3500	4000	5000	6000	7000	8000	9000
ACP 14/2	0.18	2800	60	-	440	430	340	240	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACP 14/4	0.13	1450	55	110	100	60	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACP 20/2	1.10	2900	70	-	-	-	-	-	-	800	810	840	710	-	-	-	-	-	-	-	-	-	-	-
ACP 20/4	0.18	1450	57	-	-	-	-	200	210	190	110	-	-	-	-	-	-	-	-	-	-	-	-	-
ACP 20/6	0.18	950	45	-	-	-	100	90	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACP 23/4	0.55	1450	62	-	-	-	-	-	-	440	400	370	280	130	-	-	-	-	-	-	-	-	-	-
ACP 23/6	0.18	950	58	-	-	-	-	-	180	170	150	90	-	-	-	-	-	-	-	-	-	-	-	-
ACP 24/2	2.20	2900	71	-	-	-	-	-	-	-	-	-	-	1200	1230	1180	-	-	-	-	-	-	-	-
ACP 24/4	0.55	1450	61	-	-	-	-	-	-	300	340	280	180	30	-	-	-	-	-	-	-	-	-	-
ACP 24/6	0.18	950	58	-	-	-	-	-	-	150	140	100	20	-	-	-	-	-	-	-	-	-	-	-
ACP 25/2	2.20	2900	72	-	-	-	-	-	-	-	-	-	-	1780	1630	1530	-	-	-	-	-	-	-	-
ACP 25/4	0.55	1450	62	-	-	-	-	-	-	430	440	410	330	240	-	-	-	-	-	-	-	-	-	-
ACP 25/6	0.18	950	57	-	-	-	-	-	-	180	160	130	30	-	-	-	-	-	-	-	-	-	-	-
ACP 30/4	0.75	1450	65	-	-	-	-	-	-	-	-	-	-	530	520	510	-	-	-	-	-	-	-	-
ACP 30/6	1.10	1450	65	-	-	-	-	-	-	-	-	-	-	530	520	510	360	310	150	-	-	-	-	-
ACP 30/6	0.37	950	60	-	-	-	-	-	-	230	230	220	200	30	-	-	-	-	-	-	-	-	-	-
ACP 35/4	2.20	1450	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	610	380	-	-	-
ACP 35/4	3.00	1450	70	-	-	-	-	-	-	-	-	-	-	-	-	-	730	720	610	380	-	-	-	-
ACP 35/6	1.10	950	65	-	-	-	-	-	-	-	-	-	-	350	340	310	230	150	-	-	-	-	-	-
ACP 42/4	5.50	1450	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	1000	990	870	-
ACP 42/4	7.50	1450	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1001	1000	990	870	800
ACP 42/6	3.00	950	72	-	-	-	-	-	-	-	-	-	-	-	-	-	430	440	400	300	110	-	-	-

Performance data was measured with suitable instruments in our laboratories.

Air performance at 15 °C temperature with a pressure of 760 mmH₂O.

The indicated flow rate and pressure performances refer to the installation of the fan unit with ducted discharge.

The reported noise is expressed as sound pressure, measured at a distance of 1.5 m in free field.

The power values indicated refer to the actual installed power of the fan unit.

Refer to the performance curves for the correct model selection.

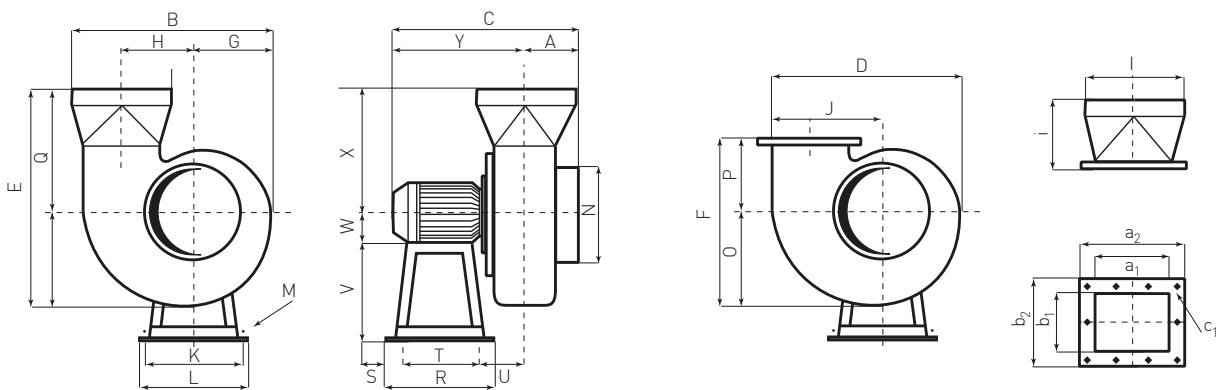
ACP

Single inlet centrifugal fan,
forward curved blades in polypropylene for corrosive fluids

DIMENSIONS

Model	Dimensions (mm)															
	A	B	C	D	E	F	G	H	ØI	J	K	L	ØM	ØN	O	P
ACP 14	72	293	293	263,5	324,5	241,5	118	103	1255 F	85x85	175	200	10	125	135,5	106
ACP 20	120	418	420	398	501	349	170	148	200 F	160x130	215	240	10	200	201	148
ACP 23	145	-	504,5	467	455	411	202	182,5	200 F	165x165	255	280	10	250	236	175
ACP 24	129	520	486,3	495	570	428	210	185	250 F	200x160	255	280	10	250	250	178
ACP 25	129	520	486,5	495	570	428	210	185	250 F	200x160	255	280	10	250	250	178
ACP 30	185	598	565	593	545	515	251	222	250 F	240x195	234	260	12	315	300	215
ACP 35	210	-	660	696	-	628	297	259	-	280x225	285	380	12	335	353	275
ACP 42	245	-	810	834,5	-	724	357	310	-	335x270	315	350	12	400	424	300

Model	Dimensions (mm)																
	Q	R	S	T	U	V	W	X	Y	ØI	i	a ₁	a ₂	b ₁	b ₂	ØZ	
ACP 14	189	200	35	130	80	130	*1	189	221	125 F	95	85	135	85	135	7	
ACP 20	300	240	35	170	95	200	*2	300	300	200 F	168	160	194	130	180	7	
ACP 23	220	280	52,5	176	132	250	*3	175	359,5	200 F	155	165	221	165	221	7	
ACP 24	320	280	52,5	175	130	250	*4	320	357,5	250 F	160	200	266	160	228	7	
ACP 25	320	280	52,5	175	130	250	*5	320	357,5	250 F	160	200	266	160	228	7	
ACP 30	245	275	50	175	155	310	*6	215	380	250 F	170	240	306	195	265	9	
ACP 35	-	300	50	200	170	320	*7	275	450	-	210	280	356	225	305	9	
ACP 42	-	350	50	250	197	410	*8	300	565	-	230	335	421	270	362	9	



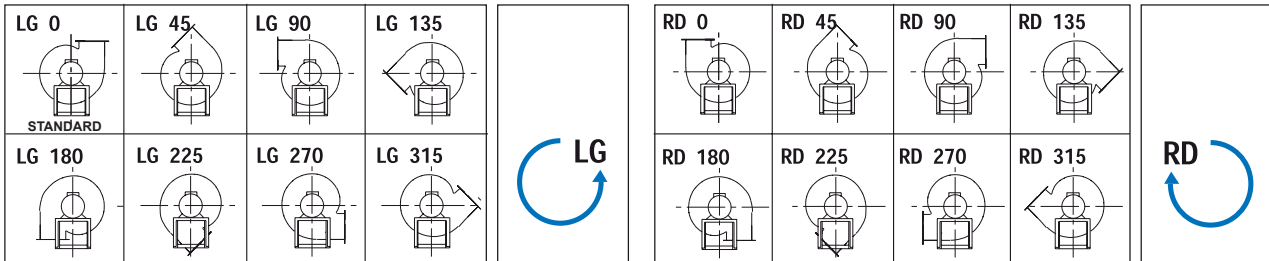
Version A with optional square-to-round adapter

Version B with standard flanged outlet



ORIENTATIONS

STANDARD orientation LG 0



Dimensions

H = LG 0 - LG 45 - LG 90 - LG 135

H1 = LG 180 - LG 225

H2 = LG 270 - LG 315

Dimensions

H = RD 0 - RD 45 - RD 90 - RD 135

H1 = RD 180 - RD 225

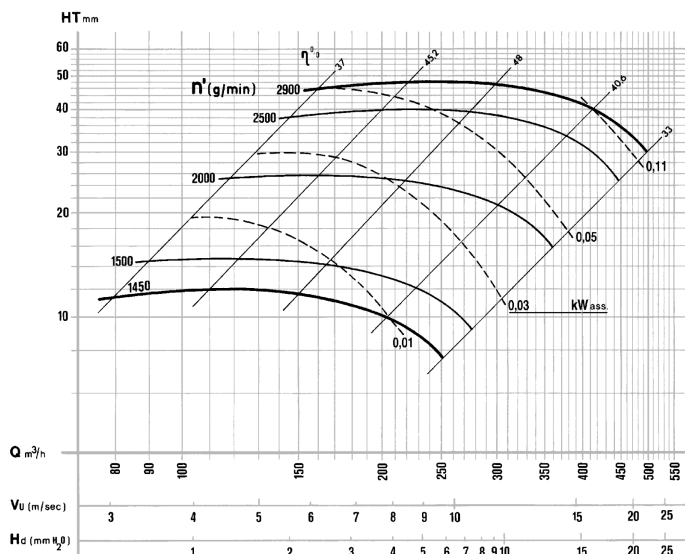
H2 = RD 270 - RD 315

CHARACTERISTIC CURVES

Q= Flow rate expressed in m³/h, m³/s and cfm

Pe= Static pressure expressed in mmH₂O, e Pa

ACP 14



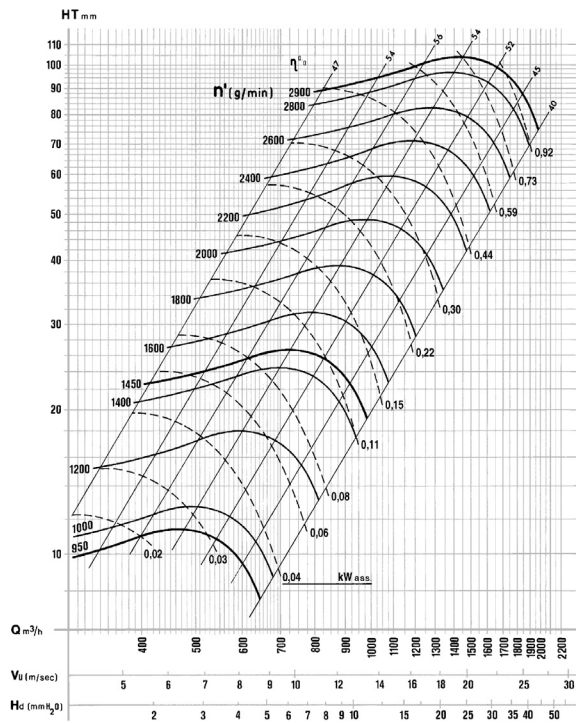
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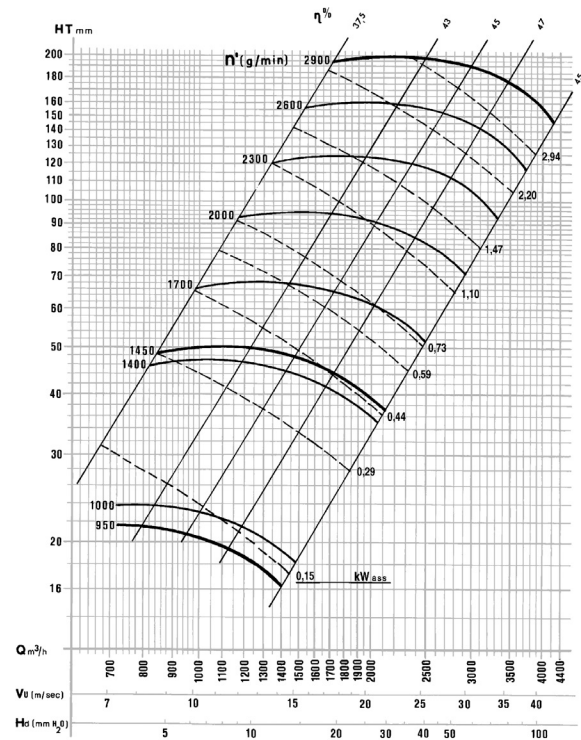
Q= Flow rate expressed in m³/h, m³/s and cfm

Pe= Static pressure expressed in mmH₂O, e Pa

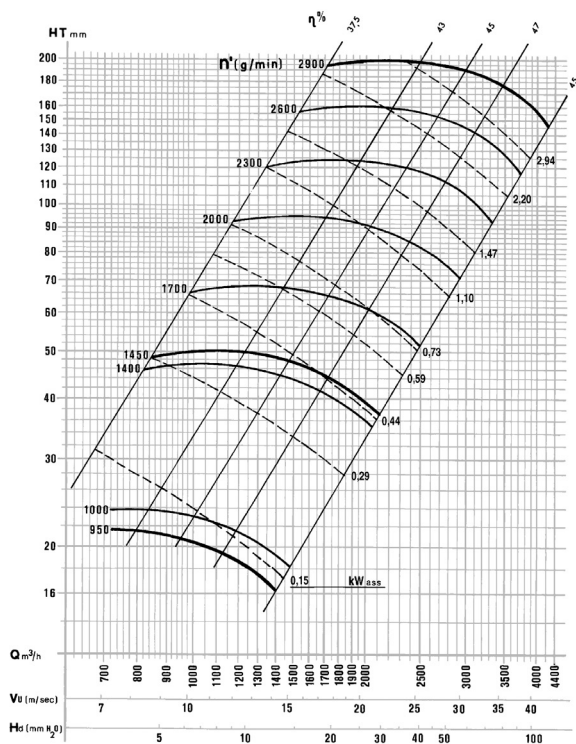
ACP 20



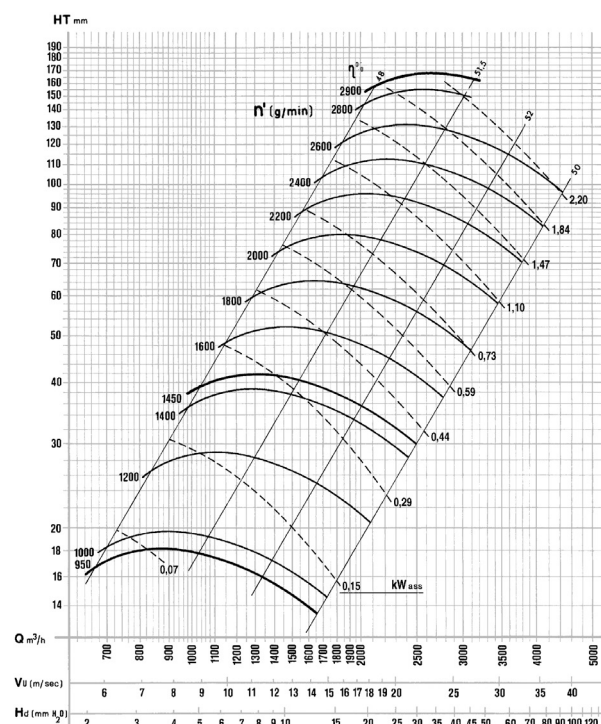
ACP 22



ACP 23



ACP 24





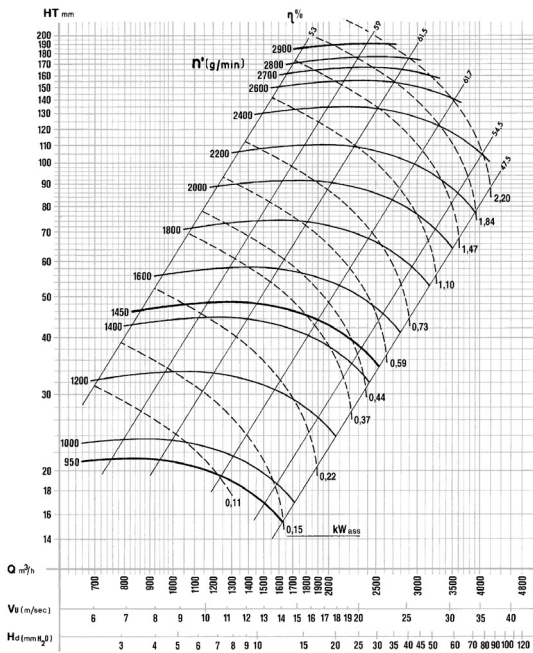
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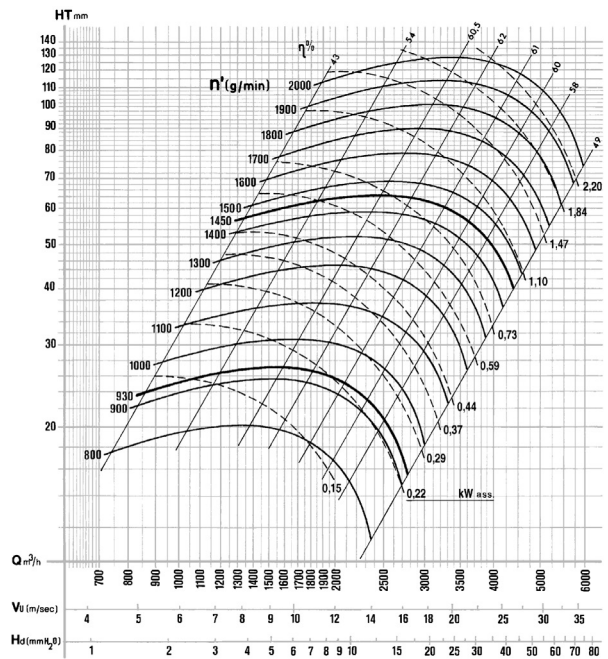
Q= Flow rate expressed in m³/h, m³/s and cfm

Pe= Static pressure expressed in mmH₂O, e Pa

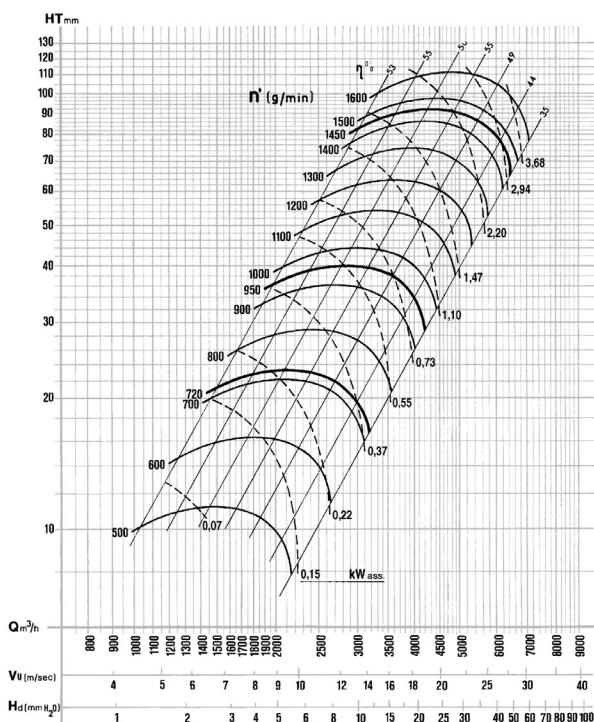
ACP 25



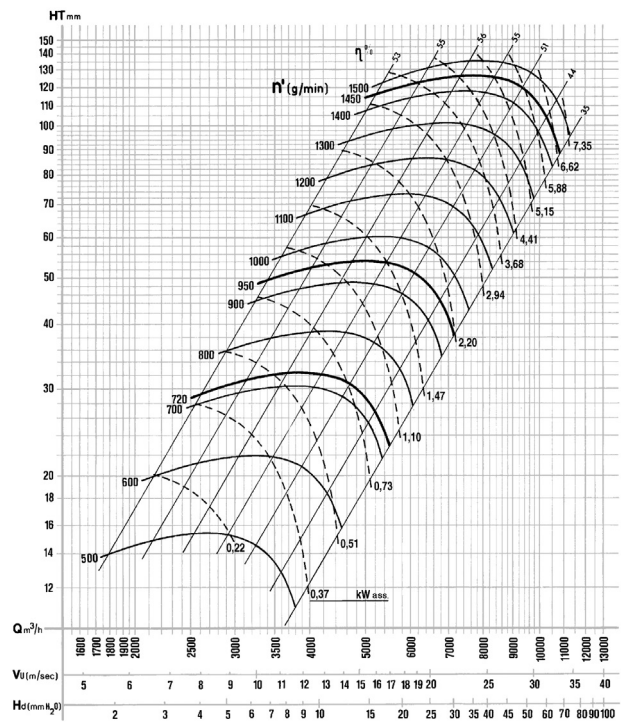
ACP 30



ACP 35



ACP 42



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Model	Poles	Installed Power kW	Power supply Volt/Hz/f
ACP14	2	0,18	230/50/1
ACP14	4	0,18	230/50/1
ACP14	2	0,18	400/50/3
ACP14	4	0,18	400/50/3
ACP20	6	0,18	230/50/1
ACP20	4	0,18	230/50/1
ACP20	2	1,1	230/50/1
ACP20	6	0,18	400/50/3
ACP20	4	0,18	400/50/3
ACP20	2	1,1	400/50/3
ACP23	6	0,18	230/50/1
ACP23	4	0,55	230/50/1
ACP23	6	0,18	400/50/3
ACP23	4	0,55	400/50/3
ACP24	2	2,2	400/50/3
ACP24	4	0,55	400/50/3
ACP24	6	0,18	400/50/3
ACP24	2	2,2	230/50/1
ACP24	4	0,55	230/50/1
ACP24	6	0,18	230/50/1
ACP25	6	0,18	400/50/3
ACP25	6	0,18	230/50/1
ACP25	4	0,55	400/50/3
ACP25	4	0,55	230/50/1
ACP30	6	0,37	230/50/1
ACP30	6	0,37	400/50/3
ACP30	4	1,1	230/50/1
ACP30	4	1,1	400/50/3
ACP35	6	1,1	400/50/3
ACP35	6	1,1	230/50/1
ACP35	4	3	400/50/3

ATEX version available.

For RD and LG 180 and 225 orientations, contact the sales office



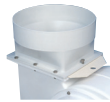
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ACCESSORIES



Discharge fitting square-to-round



Discharge fitting square-to-round with damper



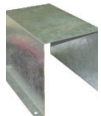
Butterfly damper manual



Butterfly damper gravity-type



Flexible joint



PVC motor cover or polypropylene



Exhaust connector flanged with mesh



Exhaust connector flanged with mesh and damper

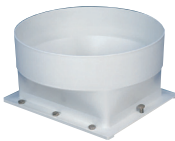



Safety switch ON/OFF



Soft starter for three-phase motor


All images are only indicative of the product type and may differ from the actual article.


Discharge fitting square-to-round	Code	Description
	RPREACP1400000	Square-to-round discharge fitting ACP 14 Ø 125
	RPREACP2000000	Square-to-round discharge fitting ACP 20 Ø 200
	RPREACP2300000	Square-to-round discharge fitting ACP 23 Ø 250
	RPREACP2400000	Square-to-round discharge fitting ACP 24 Ø 250
	RPREACP2500000	Square-to-round discharge fitting ACP 25 Ø 250
	RPREACP3000000	Square-to-round discharge fitting ACP 30 Ø 315
	RPREACP3500000	Square-to-round discharge fitting ACP 35 Ø 355 PVC
	RPREACP4200000	Square-to-round discharge fitting ACP 42 Ø 400 PVC


Discharge fitting square-to-round with damper	Code	Description
	RSEACP1400000	Square-to-round discharge adapter with damper ACP 14 Ø 125
	RSEACP2000000	Square-to-round discharge adapter with damper ACP20 Ø 200
	RSEACP2300000	Square-to-round discharge adapter with damper ACP23 Ø 250
	RSEACP2400000	Square-to-round discharge adapter with damper ACP24 Ø 250
	RSEACP2500000	Square-to-round discharge adapter with damper ACP25 Ø 250
	RSEACP3000000	Square-to-round discharge adapter with damper ACP30 Ø 315
	RSEACP3500000	Square-to-round discharge adapter with damper ACP35 Ø 355
	RSEACP4200000	Square-to-round discharge adapter with damper ACP35 Ø 400

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Butterfly damper manual	Code	Description
	SFMP1400000000	Manual butterfly damper in PVC ACP 14 Ø 125
	SFMP2000000000	Manual butterfly damper in PVC ACP 20 Ø 200
	SFMP2300000000	Manual butterfly damper in PVC ACP 23 Ø 250
	SFMP2400000000	Manual butterfly damper in PVC ACP 24 Ø 250
	SFMP2500000000	Manual butterfly damper in PVC ACP 25 Ø 250
	SFMP3000000000	Manual butterfly damper in PVC ACP 30 Ø 315
	SFMP4200000000	Manual butterfly damper in PVC ACP 42 Ø 400

Butterfly damper gravity-type	Code	Description
	SFGP1400000000	Gravity butterfly damper in PVC ACP 14 Ø 125
	SFGP2000000000	Gravity butterfly damper in PVC ACP 20 Ø 200
	SFGP2300000000	PVC gravity butterfly damper ACP 23 Ø 250 PVC
	SFGP2400000000	PVC gravity butterfly damper ACP 24 Ø 250 PVC
	SFGP2500000000	PVC gravity butterfly damper ACP 25 Ø 250 PVC
	SFGP3000000000	PVC gravity butterfly damper ACP 30 Ø 315 PVC
	SFGP4200000000	PVC gravity butterfly damper ACP 42 Ø 400 PVC

Flexible joint	Code	Description
	GFXACP14000000	Flexible joint for ACP 14 Ø 125
	GFXACP20000000	Flexible joint for ACP 20 Ø 200
	GFXACP23000000	Flexible joint for ACP 23 Ø 250
	GFXACP24000000	Flexible joint for ACP 24 Ø 250
	GFXACP25000000	Flexible joint for ACP 25 Ø 250
	GFXACP30000000	Flexible joint for ACP 30 Ø 315
	GFXACP35000000	Flexible joint for ACP 35 Ø 355
	GFXACP42000000	Flexible joint for ACP 42 Ø 400



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Flanged exhaust connector with mesh



Code	Description
TRESPACP14C000	Flanged discharge spigot with guard ACP 14
TRESPACP20C000	Flanged discharge spigot with guard ACP 20
TRESPACP23C000	Flanged discharge spigot with guard ACP 23
TRESPACP24C000	Flanged discharge spigot with guard ACP 24
TRESPACP25C000	Flanged discharge spigot with guard ACP 25
TRESPACP30C000	Flanged discharge spigot with guard ACP 30
TRESPACP35C000	Flanged discharge spigot with guard ACP 35
TRESPACP42C000	Flanged discharge spigot with guard ACP 42

Flanged exhaust connector with mesh and damper



Code	Description
TRESPACP14RETE	Flanged discharge spigot with guard and damper ACP 14
TRESPACP20RETE	Flanged discharge spigot with guard and damper ACP 20
TRESPACP23RETE	Flanged discharge spigot with guard and damper ACP 23
TRESPACP24RETE	Flanged discharge spigot with guard and damper ACP 24
TRESPACP25RETE	Flanged discharge spigot with guard and damper ACP 25
TRESPACP30RETE	Flanged discharge spigot with guard and damper ACP 30
TRESPACP35RETE	Flanged discharge spigot with guard and damper ACP 35
TRESPACP42RETE	Flanged discharge spigot with guard and damper ACP 42

CHEMICAL RESISTANCE TABLE POLYPROPYLENE - PVC

(+) = Resistant

(0) = Partially resistant

(-) = Not resistant

Reagent	Chemical formula	Concentration	Temp. °C	PVC	PP
Ammonium acetate	CH ₃ COONH ₄	All. aqueous	20	+	+
			40	+	+
Methyl acetate	CH ₃ COOCH ₃	Technically pure	20	-	+
			40		+
Sodium acetate	CH ₃ COONa	All. aqueous	20	+	+
			40		+
Acetone	CH ₃ -CO-CH ₃	Technically pure	20	-	+
			40		+
Acetic acid	CH ₃ COOH	Technically pure glacial	20	0	+
			40	-	+
Dichloroacetic acid	Cl ₂ CHCOOH	Technically pure	20	+	+
			40	+	+
Trichloroacetic acid	CCl ₃ COOH	Technically pure	20	0	+
			40		+
Arsenic acid	H ₃ AsO ₄	80% aqueous	20	+	+
			40	+	+
Aqueous boric acid	H ₃ BO ₃	All. aqueous	20	+	+
			40	+	+
Hydrocyanic acid	HCN	Technically pure	20	+	+
			40	+	+
Chloric acid	HClO ₃	10% aqueous	20	+	-
			40	+	
Hydrochloric acid	HCl	5% aqueous	20	+	+
			40	+	+
		10% aqueous	20	+	+
			40	+	+
		Up to 30% aqueous	20	+	+
			40	+	0
		36% aqueous	20	+	+
			40	+	0
		Technically pure	20	+	+
			40	+	+
Chromic acid	H ₂ CrO ₄	< 50% aqueous	20	+	0
			40	+	-
Hydrofluoric acid	HF	< 40% aqueous	20	+	+
			40	0	+
Fluorosilicic acid	H ₂ SiF ₆	32% aqueous	20	+	+
			40	+	
Formic acid	HCOOH	< 50% aqueous	20	+	+
			40	+	
		Technically pure	20	+	+
			40	0	0
Aqueous phosphoric acid	H ₃ PO ₄	< 30% aqueous	20	+	+
			40	+	+
		50% aqueous	20	+	+
			40	+	+
		85% aqueous	20	+	+
			40	+	+

This chemical resistance table is given for guidance only. No guarantee can be given for the information contained



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Reagent	Chemical formula	Concentration	Temp. °C	PVC	PP
Glycolic acid	CH_2OHCOOH	37% aqueous	20	+	+
Lactic acid	$\text{C}_3\text{H}_5\text{O}_3$	10% aqueous	20	+	+
			40	0	+
Maleic acid	$\text{C}_4\text{H}_4\text{O}_4$	Aqueous, cold saturated	20	+	+
			40	+	+
Nitric acid	HNO_3	6.3% aqueous	20	+	+
			40	+	
		< 40% aqueous	20	+	0
			40	+	
		< 65% aqueous	20	0	-
			40	0	
Oxalic acid	$(\text{COOH})_2$	Aqueous, cold saturated	20	+	+
			40	+	+
Perchloric acid	HClO_4	10% aqueous	20	+	+
			40	+	+
Propionic acid	$\text{CH}_3\text{CH}_2\text{COOH}$	50% aqueous	20	+	+
			40	+	+
Hydrogen sulfide	H_2S	Technically pure	20	+	+
			40	+	+
Sulfuric acid	H_2SO_4	< 40% aqueous	20	+	+
			40	+	+
		< 60% aqueous	20	+	+
			40	+	+
		< 80% aqueous	20	+	+
			40	+	+
		< 90% aqueous	20	+	0
			40	+	
< 96% aqueous	20	+	-		
	40	+			
Sulfurous acid	H_2SO_3	Saturated, aqueous	20	+	+
			40	+	+
Tartaric acid, aqueous	$\text{C}_4\text{H}_6\text{O}_6$	All, aqueous	20	+	+
			40	+	+
Seawater			20	+	+
			40	+	+
Ethyl alcohol	$\text{C}_2\text{H}_5\text{OH}$	96% Technically pure	20	+	+
			40	+	+
Methyl alcohol	CH_3OH	All	20	+	+
			40	+	+
Chrome alum	$\text{KCr}(\text{SO}_4)_2$	Aqueous, cold saturated	20	+	+
			40	+	+
Ammonia	NH_3	Technically pure, gaseous	20	+	+
			40	+	+
Acetic anhydride	$(\text{CH}_3\text{CO})_2\text{O}$	Technically pure	20	-	+
			40		0
Carbon dioxide	CO_2	Technically pure, dry	20	+	+
			40	+	+
		Technically pure, moist	20	+	+
			40	+	+

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Reagent	Chemical formula	Concentration	Temp. °C	PVC	PP
Sulfur trioxide	SO ₃		20	-	-
Sulfur dioxide	SO ₂	Technically pure, dry	20	+	+
			40	+	+
		All, moist	20	+	+
			40	+	+
		Technically pure, liquid	20	-	-
Aniline	C ₆ H ₅ NH ₂	Technically pure	20	-	-
Gasoline	C _n H _{2n+2}	Lead-free	20	+	0
			40	+	
Sodium bicarbonate	NaHCO ₃	Aqueous, cold saturated	20	+	+
			40	+	+
Potassium dichromate	K ₂ Cr ₂ O ₇	Saturated, aqueous	20	+	+
			40	+	+
Beer		Normal concentration	20	+	+
			40	+	+
Sodium bisulfite	NaHSO ₃	All, aqueous	20	+	+
			40	0	+
Borite	Na ₂ B ₄ O ₇	All, aqueous	20	+	+
			40	+	+
Potassium borate	K ₃ BO ₃	10% aqueous	20	+	+
			40	+	+
Sodium bromate	NaBrO ₃	All, aqueous	20	+	+
			40	0	0
Liquid bromine	Br ₂	Technically pure	20	-	-
Potassium bromide	KBr	All, aqueous	20	+	+
			40	+	+
Sodium bromide	NaBr	All, aqueous	20	+	+
			40	+	+
Butanediol	HOCH ₂ CH ₂ OH	10% aqueous	20	+	+
			40	0	+
Butane, gaseous	C ₄ H ₁₀	Technically pure	20	+	+
Butane, aqueous	C ₄ H ₉ OH	Technically pure	20	+	+
			40	+	+
Butene	C ₄ H ₈	Technically pure	20	+	-
Sodium carbonate	Na ₂ CO ₃	Aqueous, cold saturated	20	+	+
			40	+	+
Cyclohexanol	C ₆ H ₁₁ OH	Technically pure	20	+	+
			40	+	+
Chlorine	Cl ₂	Moist, 97% - gaseous	20	0	-
Chlorobenzene	C ₆ H ₅ Cl	Technically pure	20	-	+
Chloroform	CHCl ₃	Technically pure	20	-	0
Ammonium chloride	NH ₄ Cl	10% aqueous	20	+	+
			40	+	+
Antimony chloride	SbCl ₃	90% aqueous	20	+	+
			40	+	+

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Ventilation

Comfort and performance
at maximum efficiency
energy

Reagent	Chemical formula	Concentration	Temp. °C	PVC	PP
Dichlorobenzene	$C_6H_4Cl_2$	Technically pure	20	–	0
Diisobutyl ketone	$C_7H_{14}O$	Technically pure	20	–	+
Dioxane	$C_4H_8O_2$	Technically pure	20 40	–	0 0
Hexane	C_6H_{14}	Technically pure	20	+	+
Ethane	C_2H_6	Technically pure	20	+	+
Ethylenediamine	$C_2H_8N_2$	Technically pure	20	0	+
Fluorine, dry	F_2	Technically pure	20	0	–
Ammonium fluoride	NH_4HF_2	50% aqueous	20 40	+ +	+ +
Sodium fluoride	NaF	Aqueous, cold saturated	20 40	+ +	+ +
Formamide	HCONH ₂	Technically pure	20 40	– –	+ +
Ammonium phosphate	$NH_4H_2PO_4$	Aqueous, cold saturated	20 40	+ +	+ +
Sodium phosphate	Na_3PO_4	Aqueous, cold saturated	20 40	+ +	+ +
Nitrous gases	Nox	Diluted, wet and dry	20 40	+ –	+ 0
Diesel fuel			20 40	+ +	0 0
Glucose	$C_{6H_{12}O_6}$	All, aqueous	20 40	+ +	+ +
Hydrogen	H_2	Technically pure	20 40	+ +	+ +
Sodium hydrosulfite	$Na_2S_2O_4$	< 10% aqueous	20 40	+ +	+ +
Barium hydroxide	$Ba(OH)_2$	Saturated, aqueous	20 40	+ +	+ +
Potassium iodide	Kj	Aqueous, cold saturated	20 40	+ +	+ +
Sodium iodide	NaJ	All, aqueous	20 40	+ +	+ +
Calcium hypochlorite	$Ca(OCl)_2$	Aqueous, cold saturated	20 40	+ +	+ +
Mercury	Hg	Pure	20 40	+ +	+ +
Methane	CH_4	Technically pure	20	+	+
Methylamine	CH_3NH_2	32% aqueous	20	0	+
Methyl ethyl ketone	$CH_3COC_2H_5$	Technically pure	20 40	– –	+ 0
Ammonium nitrate	NH_4NO_3	10% aqueous	20 40	+ +	+ +
Potassium nitrate	KNO_3	50% aqueous	20 40	+ +	+ +

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Reagent	Chemical formula	Concentration	Temp. °C	PVC	PP
Sodium nitrate	NaNO ₃	Aqueous, cold saturated	20	+	+
			40	+	+
Oleum	H ₂ SO ₄ +SO ₃	10% di SO ₃	20	-	-
Olive oil			20	+	+
			40	+	+
Oxygen	O ₂	Technically pure	20	+	+
			40	+	
Ozone	O ₃	In air: < 2%	20	+	0
			40		-
Phosphorus pentoxide	P ₂ O ₅	Technically pure	20	+	+
			40	+	
Hydrogen peroxide	H ₂ O ₂	10% aqueous	20	+	+
			40	+	+
Potassium persulfate	K ₂ S ₂ O ₈	All. aqueous	20	+	+
			40	+	+
Sodium metabisulfite	Na ₂ S ₂ O ₅	All. aqueous	20	+	+
			40		+
Potash	K ₂ CO ₃	Aqueous, cold saturated	20	+	+
			40	+	+
Propane	C ₃ H ₈	Technically pure, aqueous	20	+	+
Sodium silicate	Na ₂ SiO ₃	All. aqueous	20	+	+
			40	+	+
Caustic soda	NaOH	< 10% aqueous	20	+	+
			40	+	+
Sodium sulfate	Na ₂ SO ₄	Aqueous, cold saturated	20	+	+
			40	+	+
Carbon disulphide	CS ₂	Technically pure	20	-	0
Tetrachloroethane	C ₂ H ₂ Cl ₄	Technically pure	20	-	0
Trioctyl phosphate	(C ₈ H ₁₇) ₃ PO ₄	Technically pure	20	-	+
Urea	H ₂ N-CO-NH ₂	< 30% aqueous	20	+	+
			40	+	+
Bromine vapours	Br ₂	High	20	-	-
Xylene (xylol)	C ₈ H ₁₀	Technically pure	20	-	-
Sulfur	S	Technically pure	20	0	+
			40	-	+

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