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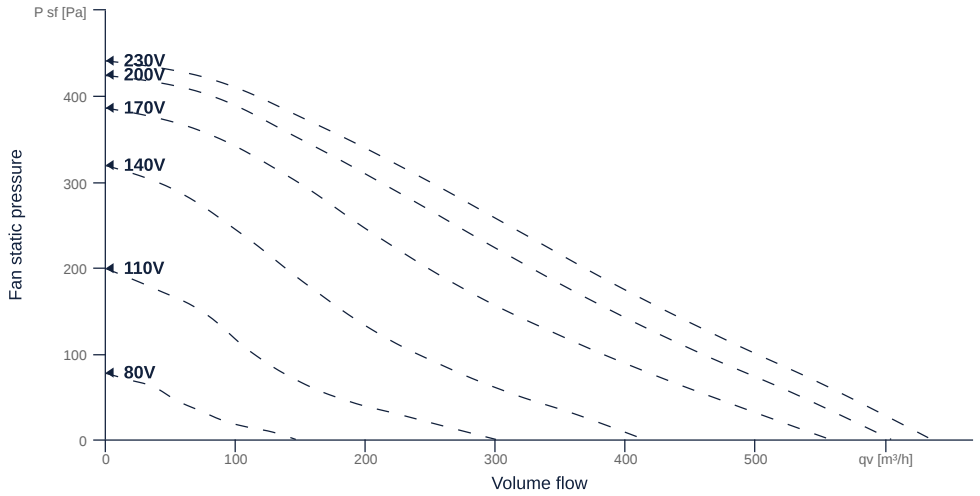
- Compact centrifugal fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 65 °C in continuous operation
- Integrated thermal switch

FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	none		
Duct size	-		WxH_{duct}
Pipe connection size (DN)	DN150		DN
Rated voltage (entire device)	230	v	U_{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Steel		mat_{casing}
Impeller material	Plastic		$mat_{impeller}$
IP-protection class (casing)	IPX4		IP_{casing}
IP-protection class (entire device)	IPX4		IP_{compl}
IP-Protection class (terminal box)	IP44		IP_{ebox}
Weight	4.04	kg	m
Fan type	Radial		Fan_{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	93	123	w	$P_{ed,\ max}$
Max. operating current (device)	0.43	0.57	A	$I_{ed,\ max}$
Max. speed	2710	3090	rpm	n_{max}
Max. stat. efficiency	22	21	p	η_{es}
Max. fan efficiency	23	21	p	η_{e}
Max. flowrate	630	680	CmH	$q_{v,\ max}$
Max. stat pressure	440	560	Pa	$p_{sf,\ max}$
Max. medium temperature	65	80	°C	$T_{m,\ max}$
Max. environment temperature	65	80	°C	$T_{amb,\ max}$
Min. environment temperature	-25	-25	°C	$T_{amb,\ min}$
Min. voltage	80	80	v	U_{min}
Stall current	0.77	0.75	A	I_{LRA}

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MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Control type		stepless-controlled		$ctrl_{type}$
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISO_{class}
Motor-protection		TAI		$protect_{motor}$
Protection class		IP33		IP_{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		$pwrsup_{motor}$
Capacity capacitor		2.5	µF	C_{cond}
Voltage capacitor		450	v	VU_{cond}
Number of poles (1)		2.000000		$num\ poles_{w1}$
Rated voltage	230	230	v	$U_{rated,\ f1}$
Rated current	0.43	0.55	A	$I_{rated,\ f1}$
Speed	2390	2460	rpm	n_{f1}
Starting current	0.73	0.72	A	$I_{start,\ f1}$
Efficiency	47.3	21.5	p	$\eta_{m,\ f1}$
Min. temperature	-30	-30	°C	$T_{motor,\ min}$
Cos Phi	0.980000	0.980000		cos φ
UL-Certification motor		None		UL_{cert}

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		F_{class}

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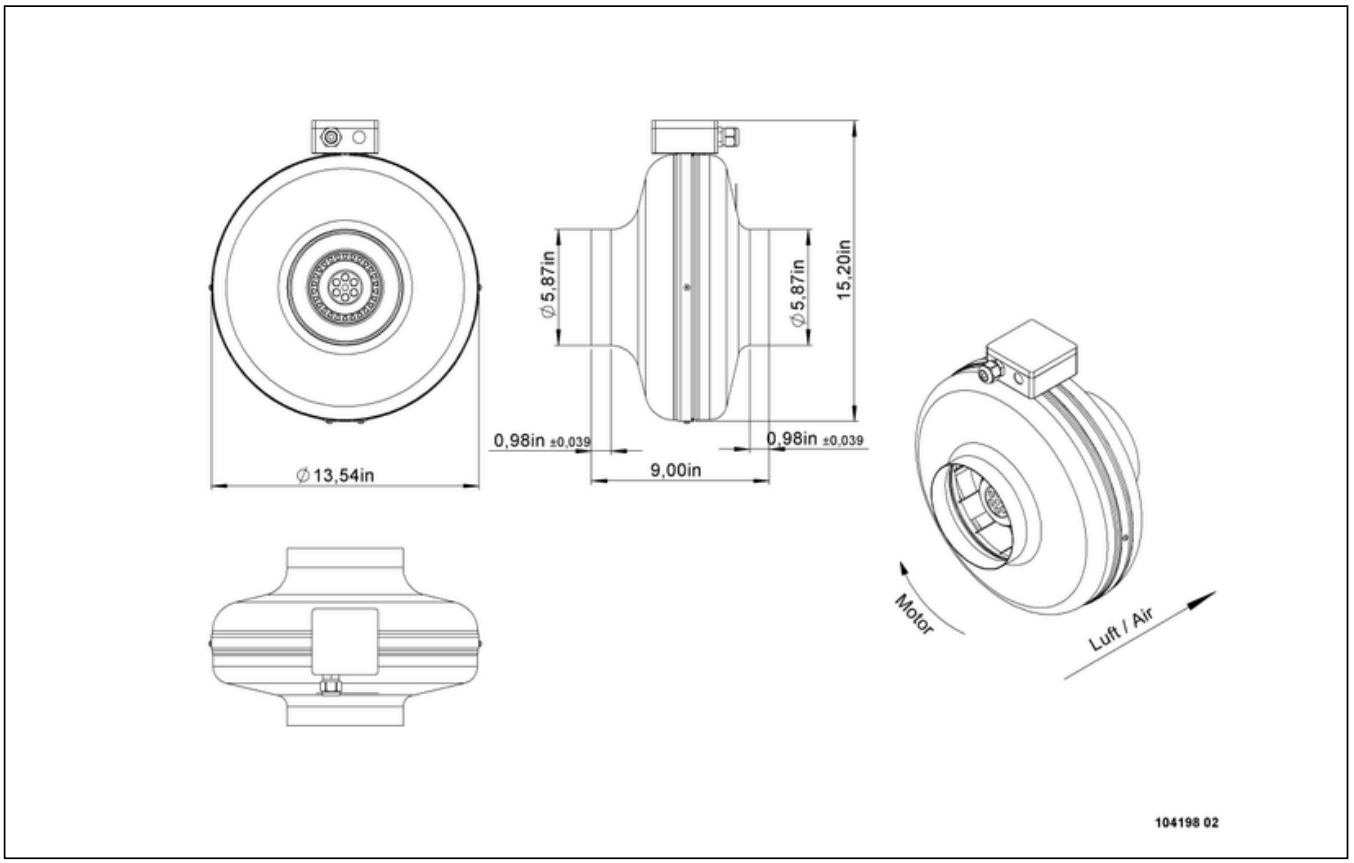
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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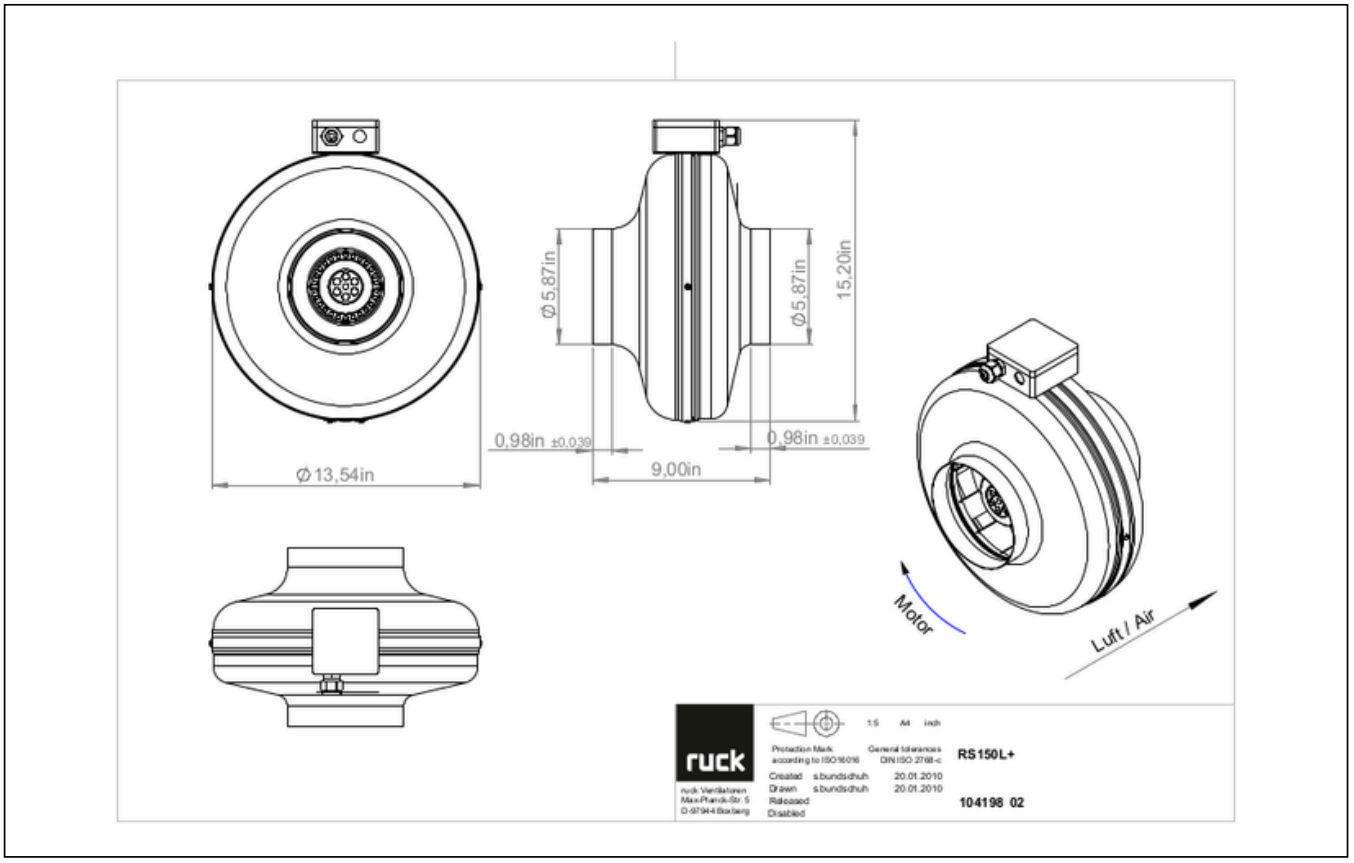

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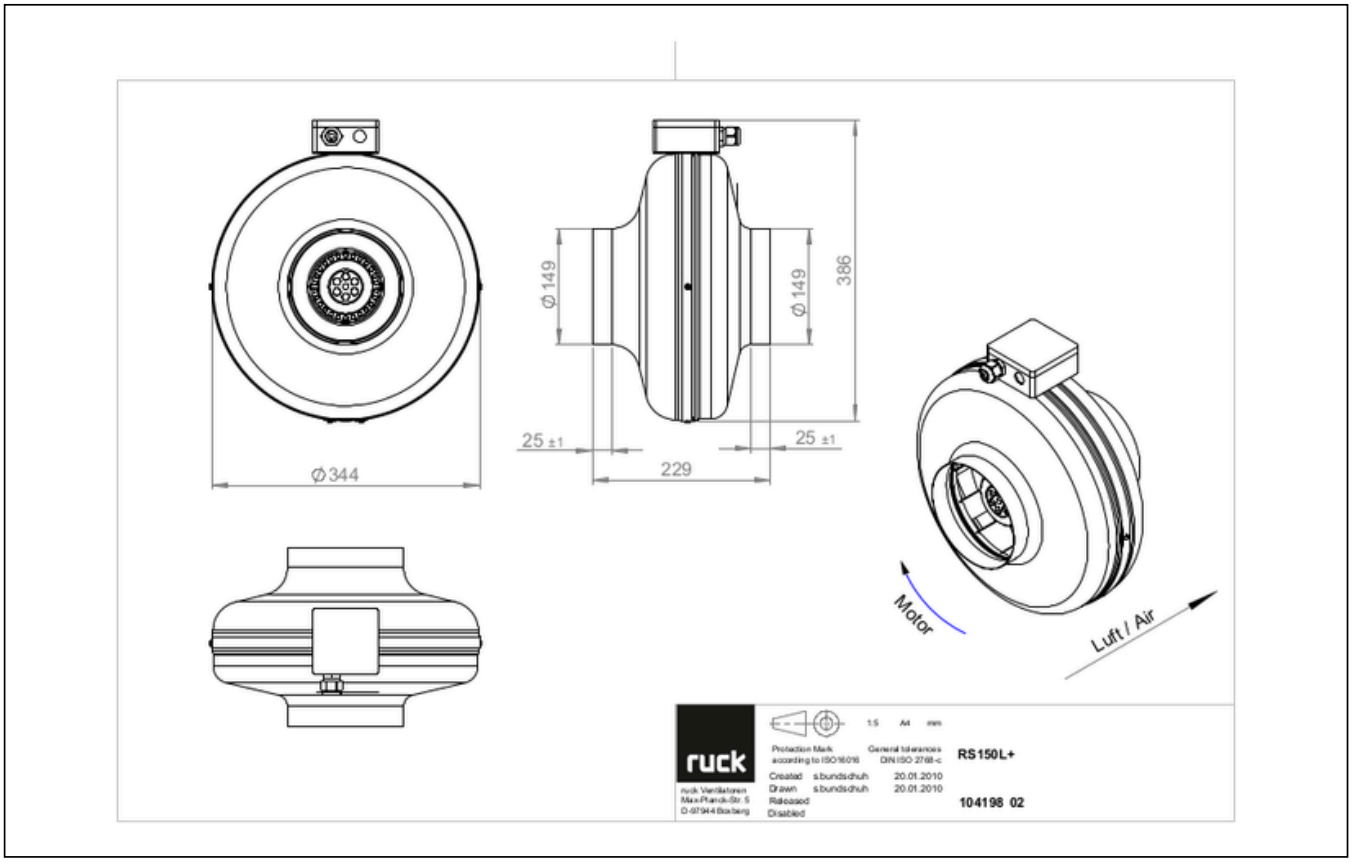

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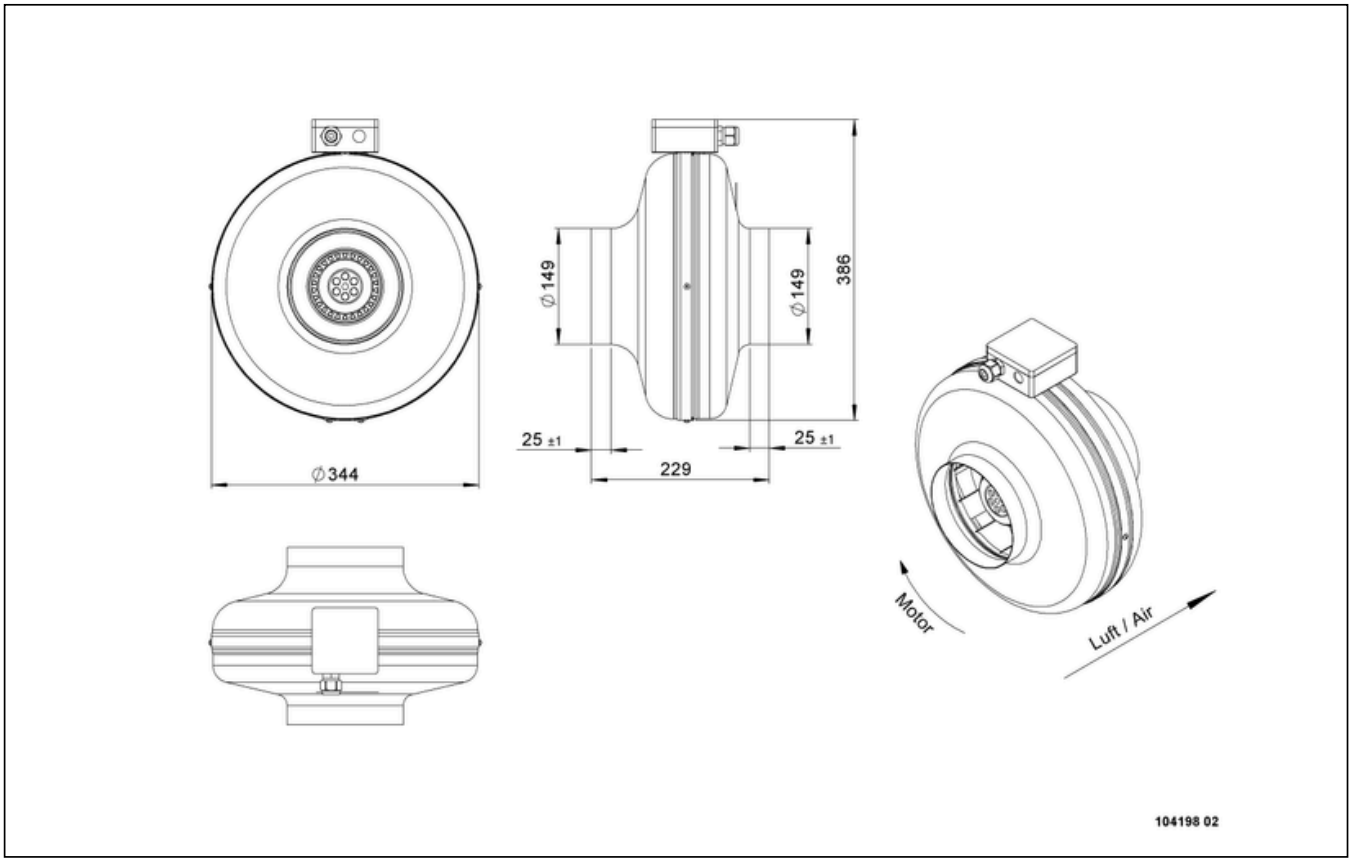

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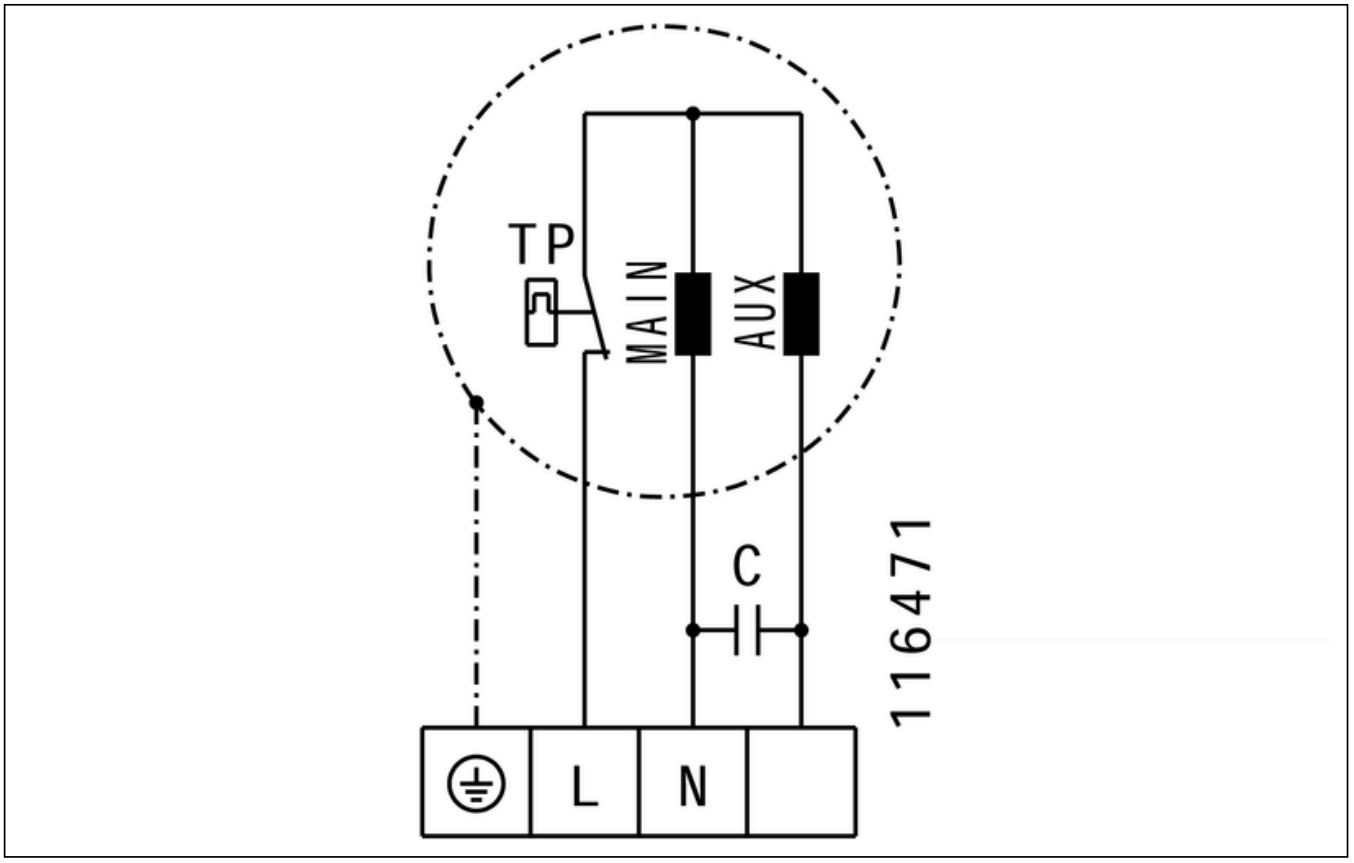

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MECHANICAL ACCESSORIES

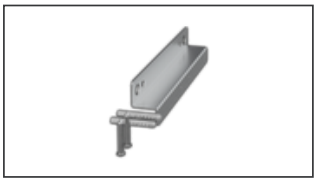
VM 150 | 102648

- Fast clamps for sound decoupling and sealing
- Galvanized steel sheet, 5 mm Neopren gasket
- 1 Pack = 2 pieces

RSK 150 | 102660

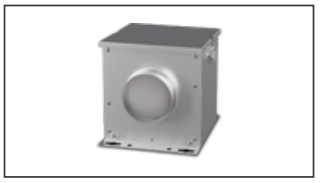
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

MRS 1 | 110094



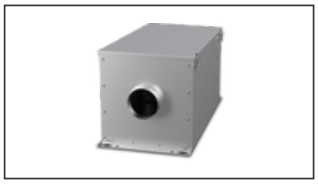
- Mounting bracket
- Galvanized steel sheet
- Includes: Mounting bracket and 2 Phillips screws (6 x 45 mm), 2 dowels (8 x 40 mm)

FV 150 | 112680



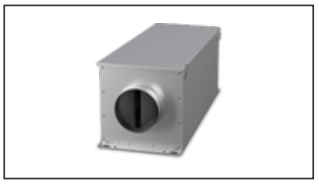
- Air filter box with mat filter ISO Coarse 45 % (G3)
- Toggle-type fastener

FT 150 | 112842



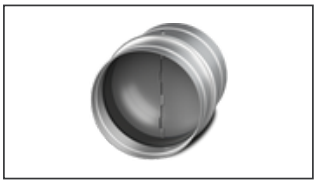
- Air filter box for pocket filter
- Toggle-type fastener
- Galvanized steel sheet housing
- Without filter

FTW 150 | 112851



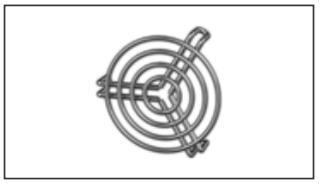
- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

RSK 150D | 113484



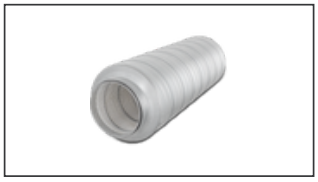
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps
- Integrated gasket

SG 150 01 | 169590



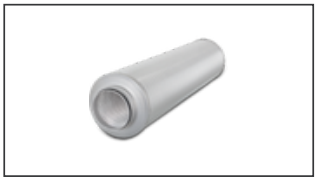
- Protection grille for tube connection
- Galvanized wire

SDS 150 | 169604



- Rigid tube silencer
- Galvanized steel sheet
- Sound insulation packing 50 mm (mineral wool)

SDF 150 | 169641



- Flexible tube silencer
- Galvanized steel sheet
- Sound insulation packing 50 mm

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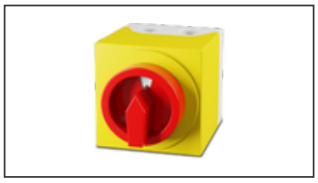
ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- Umax = 400 V, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- Imax = 25 A

MTY 1 | 103428

- Electronic controller
- Stepless
- 230 V ~, 50 Hz
- Max. ambient temperature 35 °C
- I max. = 1 A
- Surface and flush mounting

ETY 15 | 115891

- Electronic controller
- Stepless speed control
- 230 V ~, 50 Hz, 2,5 A
- Max. ambient temperature 35 °C

TEE 015 | 115893

- 5-step transformer
- 230 V ~, 50/60 Hz

TES 0145 | 169581

- Step transformer
- 230 V ~, 50/60 Hz

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