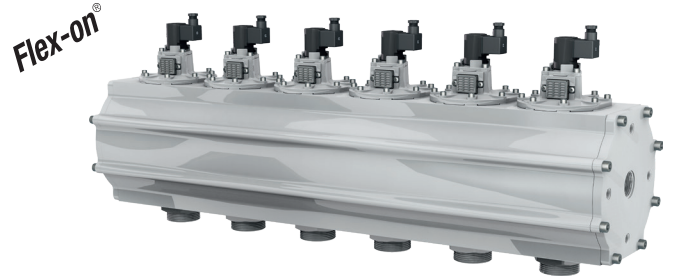


8587xxx System for Dust Collector, with integrated filter valves

- ø 220 mm for valves
DN 40 ... 65
- Distance and number of valves selectable
- Different blow-tube connections available include pipe, thread, flange socket, etc.
- Integrated dust collector valve with TPE diaphragm
- For rapid response, high peak pressures and very good flow rates
- Pilot/solenoid actuated valve
- International approvals



Technical features

Medium:
Air

Dusty gas temperature:
-20 ... +85°C (-4 ... +185°F)

Volume:
0,38 dm³/cm of tank length

Material:
Body: Aluminium/PA 66
Seat seal: TPE
Pilot seal: TPU

Mounting position:
Optional

Cleaning gas temperature:
-20 ... +85°C (-4 ... +185°F)

Diameter:
ø 220 mm

Ambient temperature:
-20 ... +85°C (-4 ... +185°F)

Working pressure:
0,4 ... 8 bar (5,8 ... 116 psi),
swelling

Technical data – standard models

Further Informationen

Please contact a member of our sales team, to check the model number. (Phone +49 5731/791-0)

Standard solenoid systems

Voltage and Frequency Solenoid 8171 *1)					
Code	Code	Voltage	Frequency	Power consumption	
Voltage	Frequency			Inrush	Holding
024	00	24 V d.c.	-	12 W	12 W
024	50	24 V a.c.	50 Hz	23 VA	16 VA
110	50	110 V a.c.	50 Hz	23 VA	16 VA
120	60	120 V a.c.	60 Hz	23 VA	16 VA
230	50	230 V a.c.	50 Hz	23 VA	16 VA
Voltage and Frequency Solenoid 8001 *1)					
024	00	24 V d.c.	-	12 W	12 W
024	50	24 V a.c.	50 ... 60 Hz	20 VA	16 VA
110	50	110 V a.c.	50 ... 60 Hz	20 VA	16 VA
120	60	120 V a.c.	50 ... 60 Hz	20 VA	16 VA
230	50	230 V a.c.	50 ... 60 Hz	20 VA	16 VA

*1) US only

Electrical details for all solenoid systems

Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65
Socket	Form A acc. to DIN EN 175301-803 (included)




According to DIN VDE 0580 at a solenoid temperature of +20°C. At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

Additional solenoid systems for hazardous areas

ATEX category	ATEX protection class	IP protection class	Solenoid	Standard voltages
II 3G II 3D	Ex ec IIC T4 Gc Ex tc IIIC T130°C DC	IP65	8176	24 V d.c., 110 V a.c., 230 V a.c.
II 2G II 2D	Ex eb mb IIC T4 Gb Ex mb tb IIIB T135°C Db	IP66	6176	24 V d.c., 110 V a.c., 230 V a.c.

Attention!

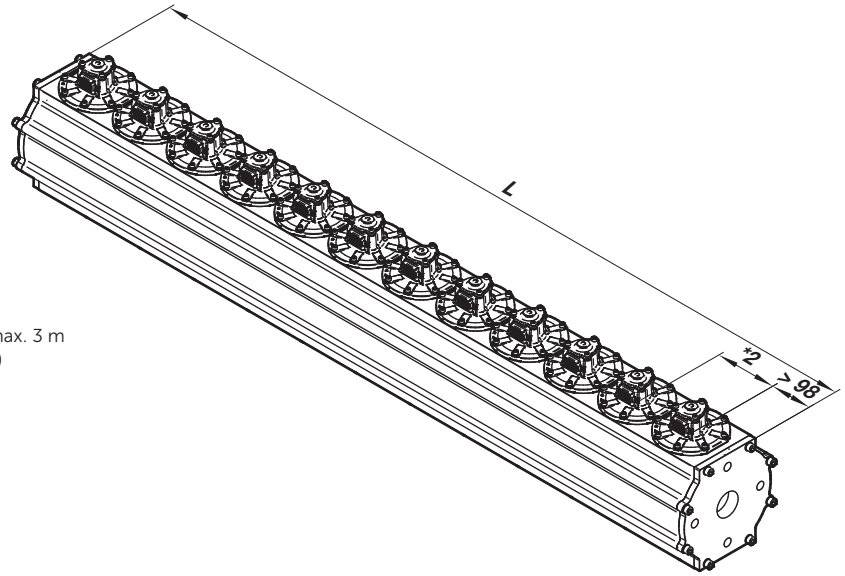
The conditions imposed on the Ex approvals lead to reduction of the permissible standard temperature ranges in the cases of explosion protected solenoids.

Medium	Minimum grid dimensions	Pressure range	Temperature (°C)		Materials	Approvals	Model
			Dusty gas/ Cleaning gas	Ambient			
ø 220 for DN 40	120 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium/PA66 Seat seal: TPE Seals: TPU		8587xxx
ø 220 for DN 50	150 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium/PA66 Seat seal: TPE Seals: TPU		8587xxx
ø 220 for DN 65	150 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium/PA66 Seat seal: TPE Seals: TPU		8587xxx

Dimensions

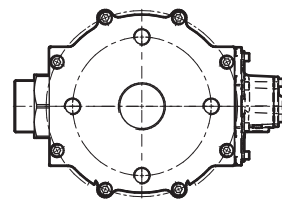
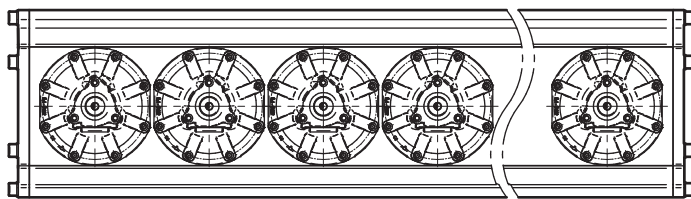
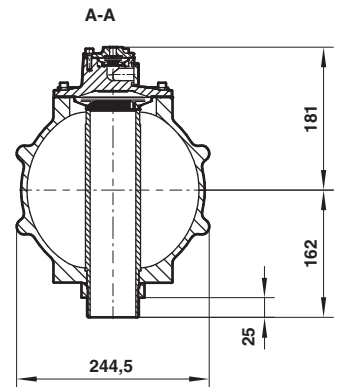
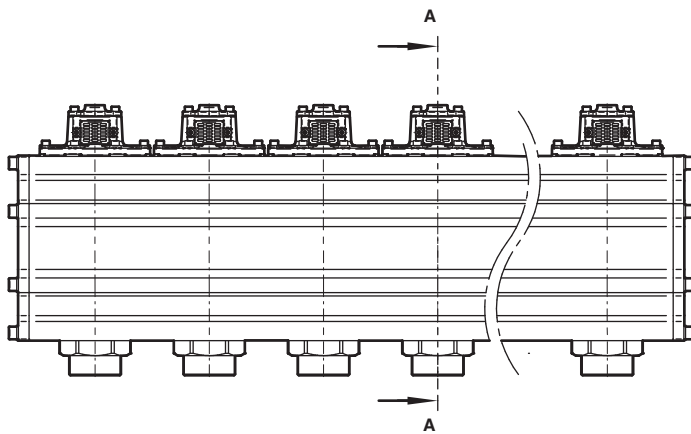
DN 50 ... 65 Pilot actuated valve

Dimensions in mm
Projection/first angle



*2) Min. 150 mm, but max. to customer requirement

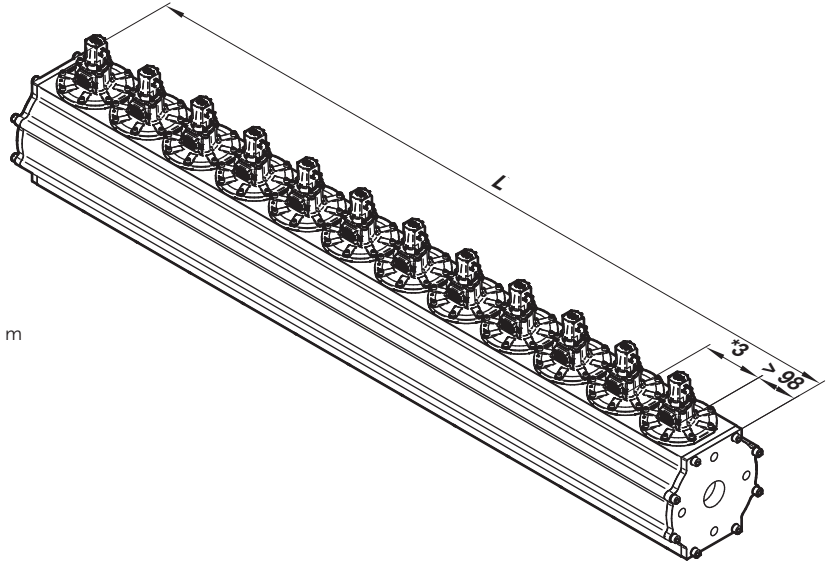
L: Individual length of the filter cleaning system up to max. 3 m completely mounted (further dimensions on request)



Dimensions

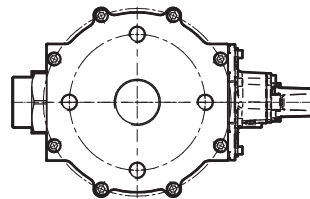
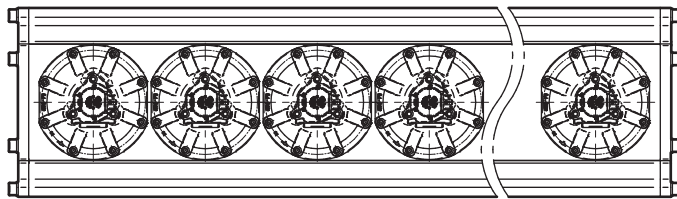
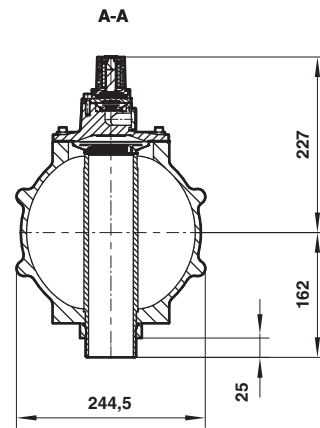
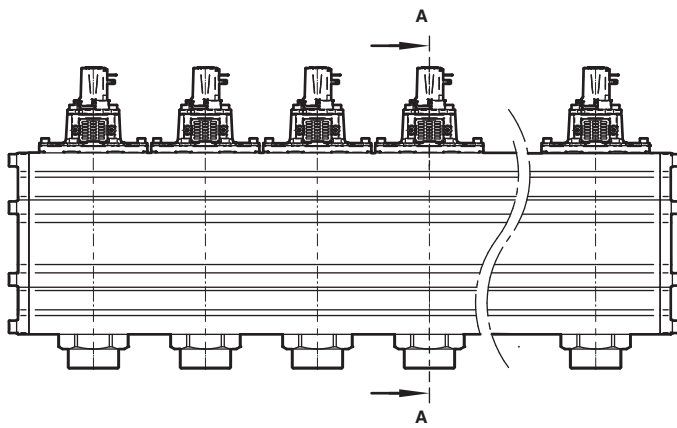
DN 50 ... 65 Solenoid actuated valve

Dimensions in mm
Projection/first angle

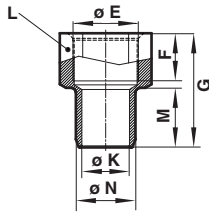


*3) Min. 150 mm, but max. to customer requirement

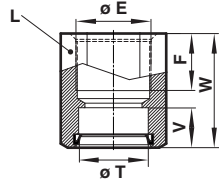
L: Individual length of the filter cleaning system up to max. 3 m completely mounted (further dimensions on request)



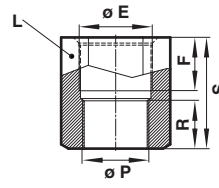
Hose connection



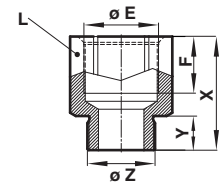
Plug connection



Threaded adapter



Threaded adapter



	Orifice (mm)	ø E	F	G	ø K	L	M	ø N	ø P
Female thread	50	G21/4	48	-	-	6kt, 85	-	-	G2
Female thread	65	G21/4	48	-	-	6kt, 80	-	-	G21/2
Male thread	50	G21/4	50	-	-	6kt, 80	-	-	-
Male thread	65	G21/4	50	-	-	6kt, 80	-	-	-
Tube push-in connection	50	G21/4	50	-	-	6kt, 80	-	-	-
Tube push-in connection	65	G21/4	48	-	-	6kt, 90	-	-	-
Hose connection	50	G21/4	48	115	48	6kt, 80	60	60	-
Hose connection	65	G21/4	48	115	58	6kt, 80	60	70	-

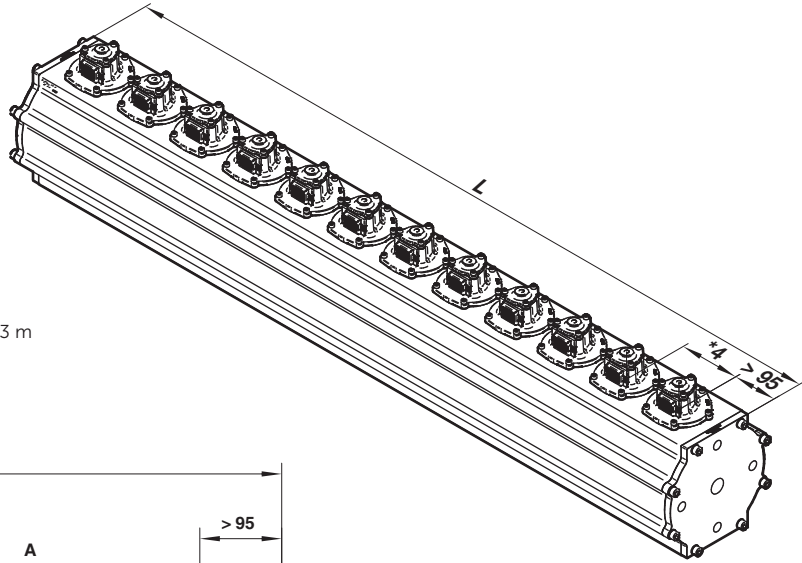
	Orifice (mm)	R	S	T	V	W	X	Y	Z
Female thread	50	43	100	-	-	-	-	-	-
Female thread	65	35	100	-	-	-	-	-	-
Male thread	50	-	-	-	-	-	G2	30	100
Male thread	65	-	-	-	-	-	G21/2	30	100
Tube push-in connection	50	-	-	61	35	100	-	-	-
Tube push-in connection	65	-	-	71	43	100	-	-	-
Hose connection	50	-	-	-	-	-	-	-	-
Hose connection	65	-	-	-	-	-	-	-	-

DN 50 can only be ordered in conjunction with adapter

Dimensions

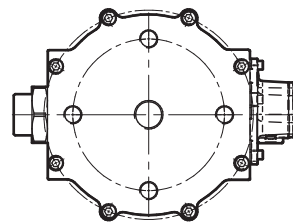
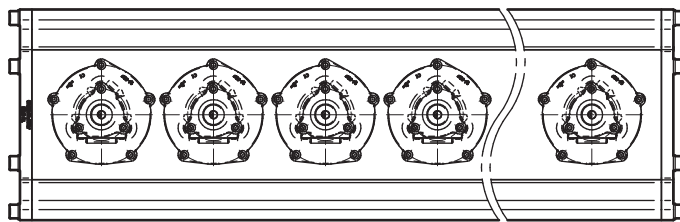
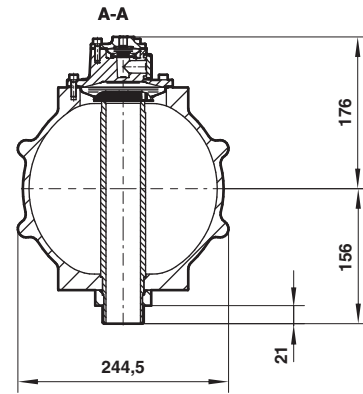
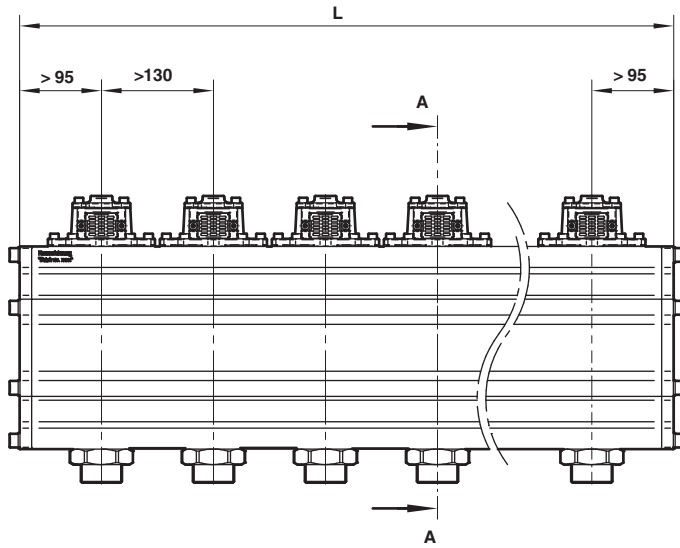
DN 40 Pilot actuated valve

Dimensions in mm
Projection/first angle



*4) Min. 120 mm, but max. to customer requirement

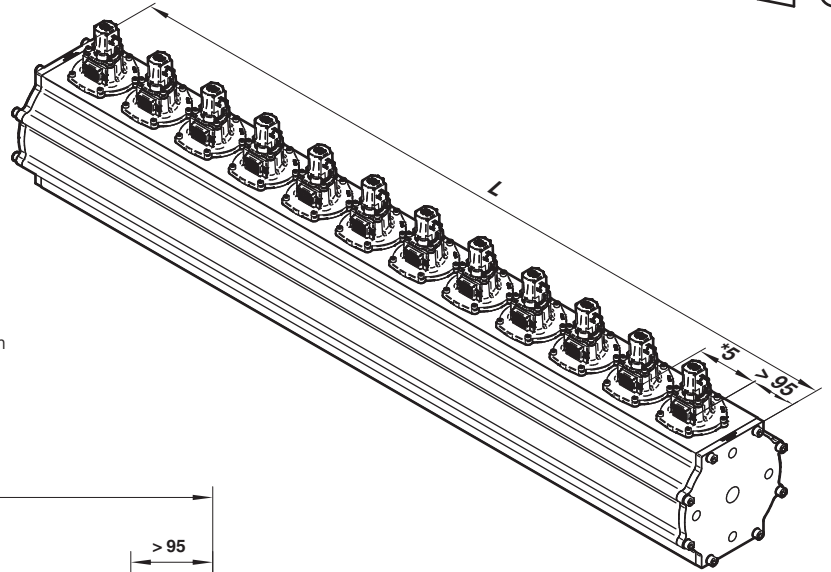
L: Individual length of the filter cleaning system up to max. 3 m completely mounted (further dimensions on request)



Dimensions

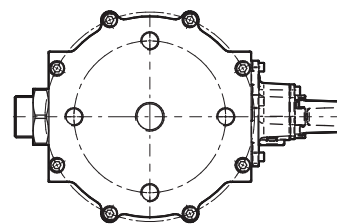
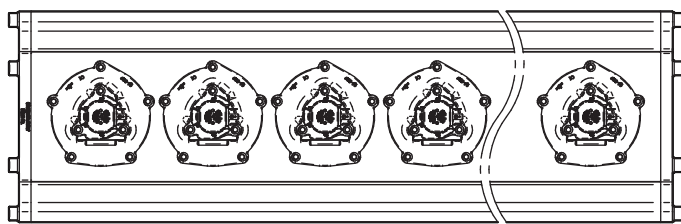
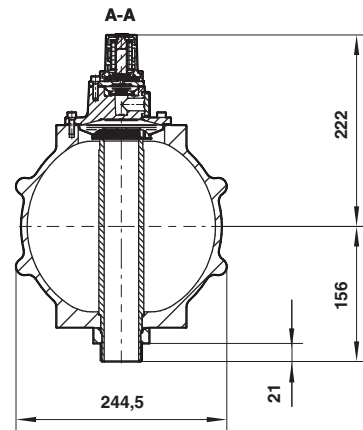
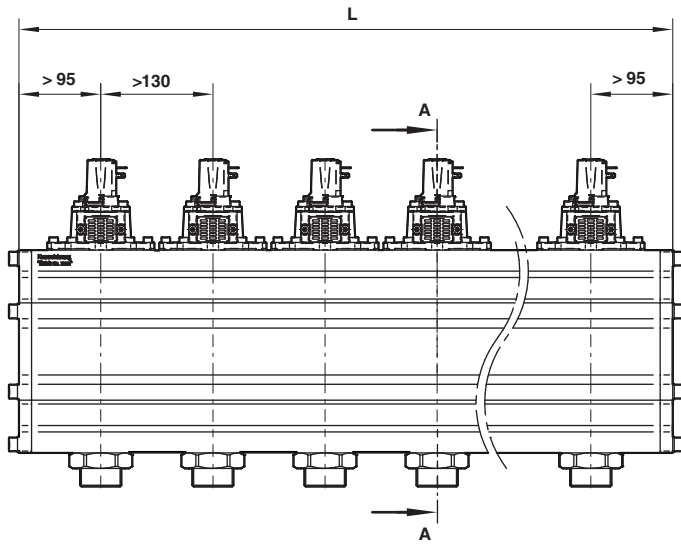
DN 40 Solenoid actuated valve

Dimensions in mm
Projection/first angle



*5) Min. 120 mm, but max. to customer requirement

L: Individual length of the filter cleaning system up to max. 3 m completely mounted (further dimensions on request)

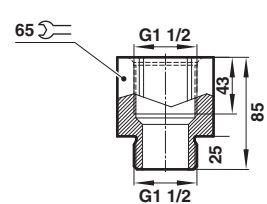
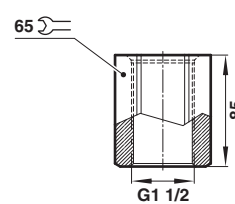
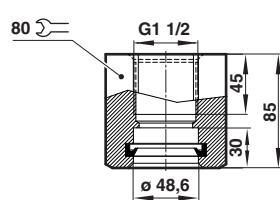
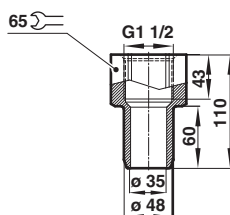


Hose connection

Plug connection

Threaded adapter

Threaded adapter



Note to Pressure Equipment Directive (PED):

The filter cleaning systems of this series with a pressure-volume product $PS \times V$ up to max. 50 bar * L complies with Art. 4 (3) of the Pressure Equipment Directive (PED) 2014/68 / EU. This means interpretation and production are in accordance to engineers practice wellknown in the member countries. Insofar as a CE marking is available, this does not refer to the PED but to other applicable EU directives. Thus the declaration of conformity is not longer applicable for this directive.

For systems with a pressure-volume product $PS \times V > 50 \text{ bar} * \text{Ltr. Art. 4 (1) (a) (i) second indent applies:}$

The basic requirements of the Enclosure I of the PED must be fulfilled. The CE-sign on the filter cleaning system includes the PED.

The operating limits and the volume can be found on the nameplate and in the operating instructions. A certificate of conformity of this directive will be available on request.

Note to Electromagnetic Compatibility Guideline (EEC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline (2014/30/EU) satisfied.