

Pipeline - Equipment

INNO-FLEX-SYSTEM

Designed specifically for VMC units in residential, multi family and commercial buildings developed INNO-Flex system is characterized above all by its modular design, the flexibility in the respective object and reducing the time required for the installation creates.

Due to the environmentally friendly material polyethylene (PE) and the exclusive use of virgin material, the entire system is odorless, hygienic, with no measurable concentrations of pollutants.

The addition of anti-static agent for distribution and connection facilities, as well as the anti-static inner skin of the INNO-flex pipes to reduce the dust in the entire system to a minimum. Access holes to the distributors always guarantee access to clean and maintain the system according to the hygienic requirements of German VDI 6022.

The modular design and ease of combining and extensibility of the cost components for use in filigree, raw or false ceilings or walls and stud walls dramatically reduce.

INNO-FLEX-DISTRIBUTOR

- multifunctional and modular construction guarantees time savings and flexibility
- light weight, high stiffness
- low height of 8.4 cm (base 6 outlets) allow installation in almost all areas
- as a central hearth, through or zone distribution with 6, 12, 18 outlets depending on demand combined
- Abgänge für INNO-Flex-Rohr DN 75, optional mit Formstück auf DN 63 reduzierbar
- simple snap-in connections to all parts
- air-tight to DIN EN 1610, because only the necessary ports are open. Reductions and flexible tubes are inserted with special seals
- Integrated eyelets for fixing
- Access opening for subsequent access to the system
- Connectors for cables from above or below

INNO-FLEX PIPE

- double-layer structure: inside smooth for low flow resistance, outside corrugated for stiffness and bending flexibility
- antistatic Inlet ensures minimal dust, easy to clean
- Installation directly on concrete ceilings, concrete floor or in walls or stud walls
- Rolls allows quick and easy installation
- no waste by the use of click joints and seals at the joints
- air- and water-tight to DIN EN 1610
- available in DN75 (O75/I63mm) and DN63 (O63/I52mm)
- 2x DN 75 is about channel 200/50
- 2x DN 63 is about channel 150/50



INNO-FLEX VALVE CONNECTOR

- multifunctional and modular construction guarantees time savings and flexibility
- low height of 8.4 cm allowing installation in almost all areas
- EBT-K fitting for installation in the production of filigree ceiling saves costs for core drilling
- EBT-L shaped piece for installation in situ concrete slabs or in renovation projects
- Body without EBT used, such as installation in stud walls or suspended ceilings
- Connections for 2x INNO-Flex pipe DN 75
- Outlets for INNO-Flex-tube DN 75, with optional fitting to DN 63 reducible
- air-tight to DIN EN 1610, by the use of special seals
- simple snap-in connections to all parts

SYSTEM DESIGN

- Preset the volume flow during the planning phase possible, thereby shortening the time needed to regulate the system
- optimum operation at air speeds < 3 m / s
- recommended flow rates for each valve:

- 1 INNO-Flex-tube DN 75	ca. 20 m³/h
- 1 INNO-Flex-tube DN 63	ca. 15 m³/h
- 2 INNO-Flex-tubes DN 75	ca. 40 m³/h
- 2 INNO-Flex-tubes DN 63	ca. 30 m³/h
- For larger flow rates, the amount of air required to be distributed on several valves, as this can lead to flow noise.

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HANDLING

- low weight, thus easy to transport and handling
- Roll diameter about 1.25 m, up to 5 rolls stacked
- Roll ends with plugs to contamination of the inlet secured

INSTRUCTIONS FOR INSTALLATION

Each installation requires at least one fresh air distributor and one exhaust manifold. These can be placed centrally or locally.
Each valve requires a connecting element.

ART.NR.	NUMBER	DESCRIPTION	PICTURE
6.100	FSR 75	INNO-Flex Pipe - 75 / 63 mm, roll of 50 m	
6.101	FSR 63	INNO-Flex Pipe - 63 / 52 mm, roll of 50 m	
6.111	FSRK 75	Pipe cap 75 mm for INNO-Flex pipe DN 75	
6.112	FSRK 63	Pipe cap 63 mm for INNO-Flex pipe DN 63	
6.109	FSKM 75	Click sleeve for INNO-Flex pipe DN 75	
6.110	FSKM 63	Click sleeve for INNO-Flex pipe DN 63	
6.113	FSDR 75	INNO-Flex seals for pipe DN 75 (set of 10 pcs.)	
6.114	FSDR 63	INNO-Flex seals for pipe DN 63 (set of 10 pcs.)	
2.022	FV6	INNO-Flex-Distributor 6-fold consisting of 1 base 6x75, 1 port connector 150/180	
2.023	FV12-F	INNO-Flex-Distribution 12-fold, flat manifold consisting of 2 bases 6x75 each, 1 port connector 150/180	
2.024	FV12-Z	INNO-Flex-Distribution 12-fold, central consisting of 2 bases 6x75 each, 2 port connectors 150/180	
2.025	FV18-F	INNO-Flex-Distribution 18-fold, flat manifold consisting of 3 bases 6x75 each, 1 port connector 150/180	
2.026	FV18-Z	INNO-Flex-Distribution 18-fold, central consisting of 3 bases 6x75 each, 3 port connectors 150/180	
2.015	RS 75/63	Reducing 75/63, L - 117 mm	
2.020	FVGK 6/75	INNO-Flex-Distributor, Base 6x75 for Extention 6 Connectors DN 75, 2 port connectors 150/180, LxBxH: 400x250x84mm	
2.021	FVS 180/150	INNO-Flex-Distributor, port Connector 150/180 - For connecting two main bodies of each other (central distributor) - Connection for pipes NW 180mm and NW 150 mm	
2.010	ATPE 125	Base element with spigot NW 125 and 2 connections NW 75, with 1 stopper, L x W x H = 250 x 195 x 84mm, 25mm socket	
2.011	EBT 125-K	Built-in part with short pipe socket NW 125 L = 78mm; D¹ inside 125mm; D² outside = 155 mm	
2.013	EBTD 125	Pipe Cap NW 125 Valve side D¹ inside = 125mm	
2.014	EBTD 135	Pipe Cap NW 135 Connection side D¹ inside = 135mm	
2.012	EBT 125-L	Built-in part with long pipe socket NW 125 L = 200mm; D¹ inside 125mm; - D² outside = 155 mm	
2.015	RS 75/63	Reducing 75/63, L=117mm	