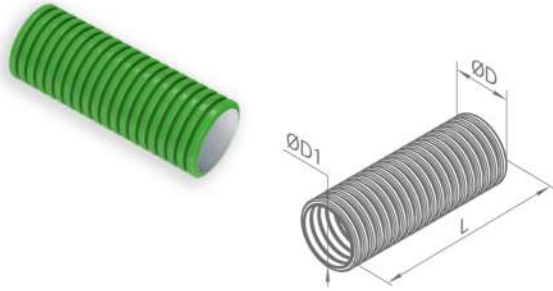


# 75MM SEMI-RIGID DUCTING



**SAP  
Tested**

\* This product and accessories are SAP approved for use with MVHR machines.

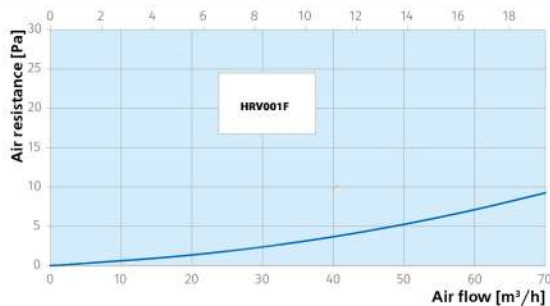


Nominal Duct Diameter	DN 75			
Air Speed (m/s)	2	2,5	3	
1 air duct - air flow (m <sup>3</sup> /h)	22	28	34	
2 air duct - air flow (m <sup>3</sup> /h)	45	56	67	
	Air resistance in Duct (Pa)			
Air duct length (m)	2	2,5	3,4	4,8
	4	5,0	6,8	9,6
	6	7,5	10,2	14,4
	8	10,0	13,6	19,2
	10	12,5	17,0	24,0
	12	15,0	20,4	28,8
	14	17,5	23,8	33,6
	16	20,0	27,2	38,4
18	22,5	30,6	43,2	

Model	Bend radius [mm]	ØD [mm]	ØD1 [mm]	L [m]
HRV001F	150	75	63.3	50
HRV001F1	150	75	63.3	25

### 75mm Normalised Comparative Results at Minimum Flowrate Conditions

Exhaust Terminal Configuration	Fan Speed setting	Total Flow Supply rate (l/s)	Total Exhaust Supply rate (l/s)	Specific fan power Semi-rigid duct (comparative) SAP 2013
K+1	100% Variable	21.0	21.0	Equal
K+2	100% Variable	29.0	29.0	Equal
K+3	100% Variable	37.0	37.0	Better
K+4	100% Variable	45.0	45.0	Better
K+5	100% Variable	53.0	53.0	Better
K+6	100% Variable	61.0	61.0	Better
K+7	100% Variable	69.0	69.0	Better



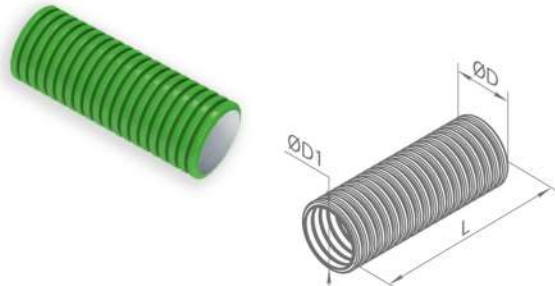
### Technical Properties

- Anti-microbial
- Material: polymer modified with silver ions (ag+)
- Flammability UL94 HB
- Max. length of use: 15m
- min. operating temperature: -5 deg C
- Anti-static
- Electrical resistance [ Ω ]: <10
- Max continuous temperature load: 50 deg C
- Min. installation length: 5 m
- External storage under direct sunlight: max. 6 months

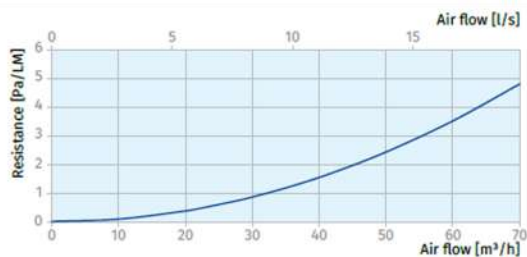
# ANCILLARY COMPONENTS

PRODUCT:	DESCRIPTION:	AVAILABLE SIZES :
	CONNECTION SLEEVE	75MM
	RUBBER SEALING RING	75MM
	90 DEG ELBOW	75MM
	AIR DISTRIBUTION BOX	75MM (AVAILABLE IN A RANGE OF SPIGOT OPTIONS)
	CEILING PLENUM	75MM
	DIFFUSER	125MM (AVAILABLE IN UNIVERSAL, SUPPLY AND EXTRACT. FIRERATED OPTIONS AVAILABLE)

# 90MM ANTI-STATIC AND ANTI-BACTERIAL SEMI RIGID DUCTING



Nominal Duct Diameter	DN 90			
Air Speed (m/s)	2	2,5	3	
1 air duct - air flow (m³/h)	36	42	50	
2 air duct - air flow (m³/h)	70	84	101	
	Air resistance in Duct (Pa)			
Air duct length (m)	2	2,8	3,7	5,1
	4	5,8	7,6	10,4
	6	8,7	11,4	15,6
	8	11,6	15,2	20,8
	10	14,5	19,0	26,0
	12	17,4	22,8	31,2
	14	20,3	26,6	36,4
	16	23,2	30,4	41,6
	18	28,1	36,2	48,8



**SAP  
Tested**

\* This product and accessories are SAP approved for use with MVHR machines.



Model	Bend radius [mm]	ØD [mm]	ØD1 [mm]	L [m]
HRV002A	250	90	76	50
HRV002A1	250	90	76	25

### 90mm Normalised Comparative Results at Minimum Flowrate Conditions

Exhaust Terminal Configuration	Fan Speed setting	Total Flow Supply rate (l/s)	Total Exhaust Supply rate (l/s)	Specific fan power Semi-rigid duct (comparative) SAP 2013
K+1	100% Variable	21,0	21,0	Equal
K+2	100% Variable	29,0	29,0	Better
K+3	100% Variable	37,0	37,0	Better
K+4	100% Variable	45,0	45,0	Better
K+5	100% Variable	53,0	53,0	Better
K+6	100% Variable	61,0	61,0	Better
K+7	100% Variable	69,0	69,0	Better

### Technical Properties

- Anti-microbial
- Material: polymer modified with silver ions (ag+)
- Flammability UL94 HB
- Max. length of use: 15m
- min. operating temperature: -5 deg C
- Anti-static
- Electrical resistance [ ]: <10
- Max continuous temperature load: 50 deg C
- Min. installation length: 5 m
- External storage under direct sunlight: max. 6 months

## ANCILLARY COMPONENTS

PRODUCT:	DESCRIPTION:	AVAILABLE SIZES:
	CONNECTION SLEEVE	90MM
	SEALING RING	90MM
	AIR DISTRIBUTION BOX	90MM (Available in a range of spigot options)
	CEILING PLENUM	90MM
	DIFFUSERS	125MM (Available in universal, supply, extract. Fire Rated options available)