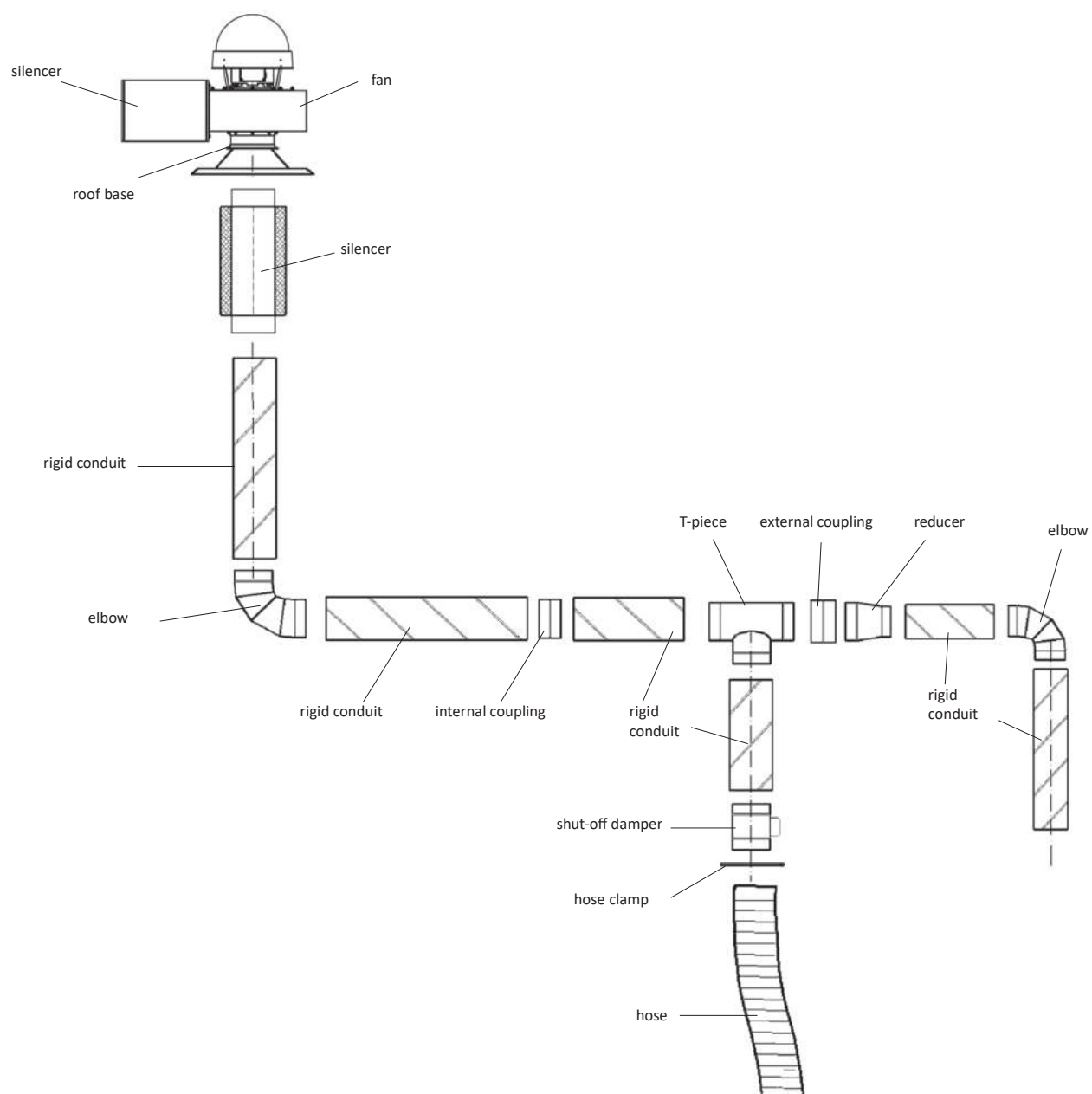


We offer a series of types of hoses and fitting pieces as well as installation materials guaranteeing fast and precise mounting of various ventilation installations.

#### EXAMPLE OF THE COMPLETED VENTILATION INSTALLATION



# SPIRO

SPIRAL-SEAM RIGID DUCTS



## APPLICATION

- distribution of air within the ventilation- and air conditioning systems
- conveying of various media: welding fumes and dust

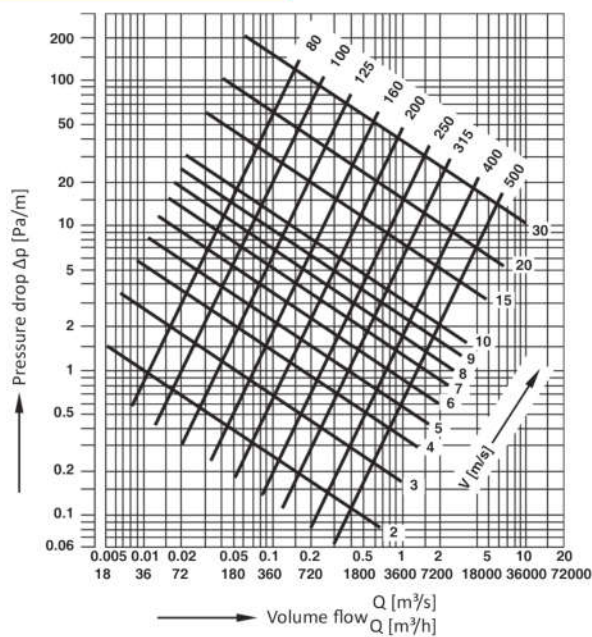
## FEATURES

- woven zinc-coated steel
- standard length: 3 m
- colour: grey-silver

## ADVANTAGES

- tightness
- high shape strength
- lightweight
- possibility of implementation of inner-connectors

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Thickness [mm]	Section [m <sup>2</sup> ]	Surface of 1 r.m. [m <sup>2</sup> /mb]
SP-80	466R01	80	1,25	0,5	0,01	0,251
SP-100	466R02	100	1,45	0,5	0,01	0,315
SP-125	466R03	125	1,80	0,5	0,01	0,393
SP-160	466R04	160	2,30	0,5	0,02	0,502
SP-200	466R05	200	2,90	0,5	0,03	0,628
SP-250	466R06	250	4,30	0,5	0,05	0,785
SP-315	466R12	315	5,20	0,5	0,08	0,989
SP-400	466R07	400	8,20	0,7	0,13	1,256
SP-500	466R08	500	10,20	0,7	0,20	1,570

# ST/MP

HOSES



## APPLICATION

- dust separation systems (light dust)
- systems of conveying of dust, smoke and welding fumes
- systems of ventilation and air conditioning

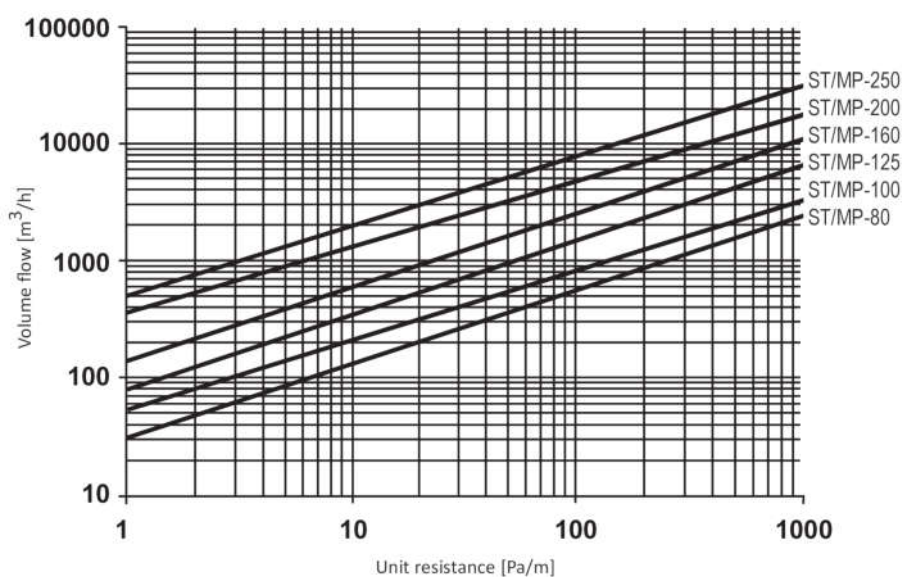
## FEATURES

- coating: PVC-coated glass fibre, woven onto a resilient wire spiral (also PVC-coated)
- lengths: 5 or 10 m
- colour: black

## ADVANTAGES

- high flexibility
- lightweight
- not fire supporting
- very high compressible
- temperature range:  $-30^{\circ}\text{C}$  up to  $+120^{\circ}\text{C}$

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Operational pressure [hPa]	Maximum vacuum [hPa]	Bending radius [mm]
ST/MP-80	863P91	80	0,23	from $-30$ up to $+120$	600	100	56
ST/MP-100	863P92	100	0,29	from $-30$ up to $+120$	500	90	70
ST/MP-125	863P93	125	0,36	from $-30$ up to $+120$	500	80	88
ST/MP-160	863P94	160	0,42	from $-30$ up to $+120$	200	60	110
ST/MP-200	863P95	200	0,52	from $-30$ up to $+120$	200	50	140
ST/MP-250	863P96	250	0,65	from $-30$ up to $+120$	100	40	175

# MCS

HOSES



## APPLICATION

- extraction of welding fumes
- extraction of soldering vapours
- forwarding of various dusts
- ventilation and air-supply heating
- application in exhaust gas extraction

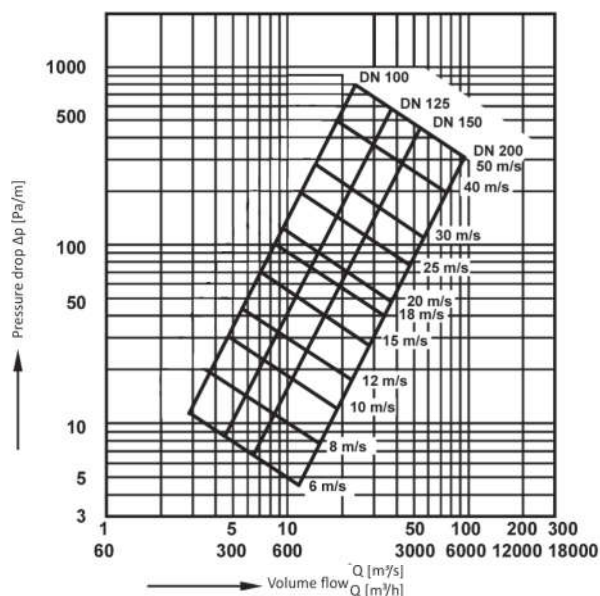
## ADVANTAGES

- hardly flammable
- do not scatter sparks
- high flexibility
- high abrasion resistant

## FEATURES

- coating: PVC-coated glass fibre, reinforced with external metal spiral
- standard length: 3 – 10 r.m.
- colour: dark grey

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Operational pressure [hPa]	Maximum vacuum [hPa]	Bending radius [mm]
MCS-100	828P32	100	0,60	from -20 up to +90 (for short time up to +110)	300	80	60
MCS-125	828P33	125	0,80	from -20 up to +90 (for short time up to +110)	210	50	75
MCS-150	828P36	150	0,90	from -20 up to +90 (for short time up to +110)	157	36	90
MCS-160	828P34	160	0,90	from -20 up to +90 (for short time up to +110)	140	31	96
MCS-200	828P35	200	1,20	from -20 up to +90 (for short time up to +110)	99	20	120

# PUR/PU

HOSES



## APPLICATION

- generally used in industrial systems for high-abrasive materials, in areas of high fire hazard
- extraction systems in wood industry (exhausts from wood processing machines) and in industrial vacuum cleaners

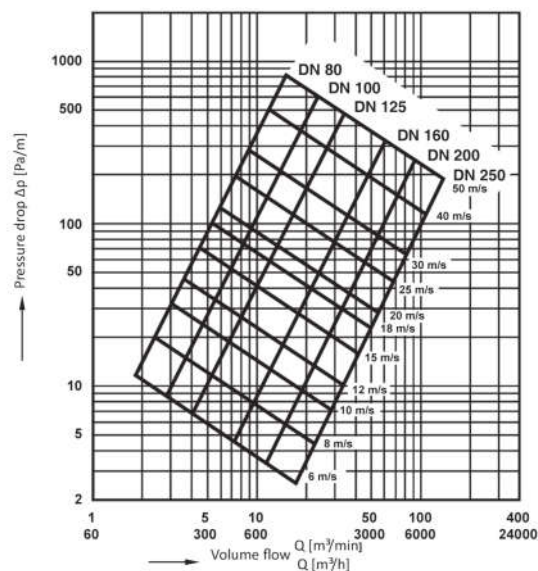
## FEATURES

- coating: polyester polyurethane
- reinforced with a resilient steel spiral
- smooth internal surface
- standard length: 1–10 r. m.
- colour: transparent

## ADVANTAGES

- high flexibility
- very high abrasion resistant
- fracture resistant
- resistant to solvents, oil and fuel
- hardly flammable
- compressibility: up to 20%

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Operational pressure [hPa]	Maximum vacuum [hPa]	Bending radius [mm]
PUR/PU-80	863P69	80	0,46	from -40 up to +100	280	100	56
PUR/PU-100	863P70	100	0,51	from -40 up to +100	200	90	70
PUR/PU-125	863P71	125	0,65	from -40 up to +100	200	80	88
PUR/PU-160	863P72	160	0,82	from -40 up to +100	90	50	110
PUR/PU-200	863P73	200	1,05	from -40 up to +100	80	50	140
PUR/PU-250	863P75	250	1,25	from -40 up to +100	50	40	175

# G-EX1

HOSES



## APPLICATION

- transport of high temperature gas, vapour and exhaust gas, of temperature up to 200°C
- systems of exhaust gas extraction, such as reel extractors, self-tightening suction ducts, overhead- and under-floor exhaust gas extraction systems

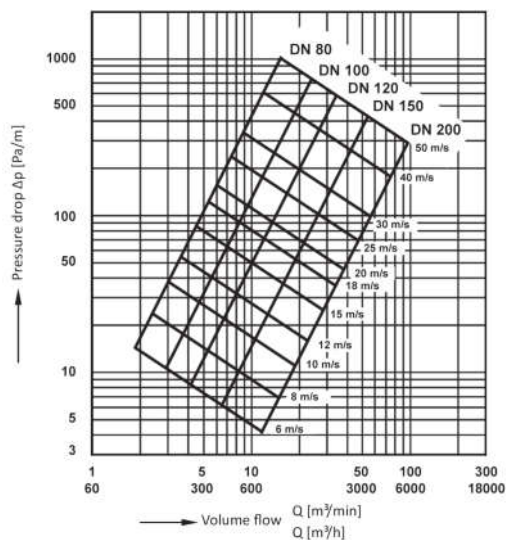
## FEATURES

- coating: neoprene-coated polyester fabric
- reinforced with external braid of plastic-coated nylon spiral
- standard length: 3–18 r.m.
- colour: wall black, spiral red

## ADVANTAGES

- increased thermal resistance
- wide range of diameters
- perfect shape regaining flexibility
- high flexibility
- hardly flammable
- abrasion proof and resistant to oil and chemical compounds

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Maximum vacuum [hPa]	Bending radius [mm]
G-EX1-80	828P59	80	0,51	from -20 up to +150 (for short time up to +200)	230	80
G-EX1-100	828P60	100	0,64	from -20 up to +150 (for short time up to +200)	180	100
G-EX1-125	828P61	125	0,78	from -20 up to +150 (for short time up to +200)	120	125
G-EX1-150	828P62	150	0,93	from -20 up to +150 (for short time up to +200)	50	150
G-EX1-200	828P63	200	1,22	from -20 up to +150 (for short time up to +200)	20	200

## CF2

HOSES



## APPLICATION

- transport of hot gas, vapour and exhaust gas emitted by vehicles
- various exhaust extraction systems, such as hose reels, self-tightening suction ducts, overhead- and under-floor exhaust extraction systems

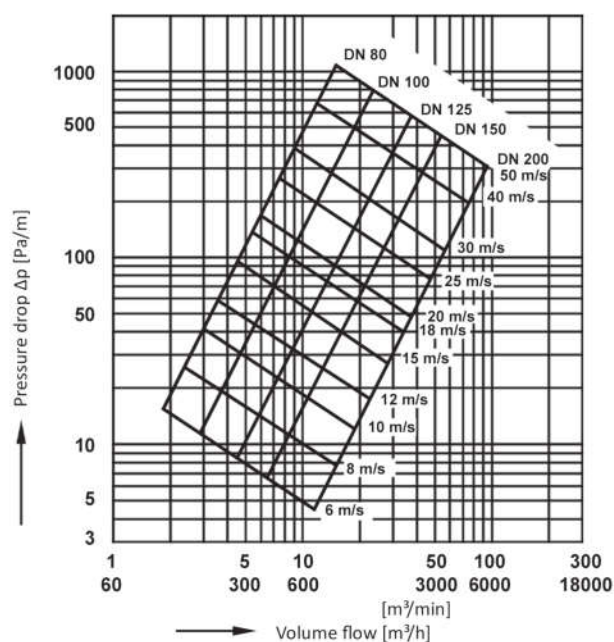
## ADVANTAGES

- increased thermal resistance
- wide range of diameters
- vibration absorbing
- hardly flammable

## FEATURES

- coating: neoprene-coated polyester fabric
- additional reinforcement: external galvanised steel spiral, plastic coated
- standard length: 3–10 r.m.
- colour: wall black, spiral blue

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Maximum vacuum [hPa]	Bending radius [mm]
CF2-80	828P17	80	0,63	from -20 up to +200	156	48
CF2-100	828P18	100	0,79	from -20 up to +200	100	60
CF2-125	828P19	125	0,95	from -20 up to +200	64	75
CF2-150	828P20	150	1,47	from -20 up to +200	44	90
CF2-200	828P21	200	1,76	from -20 up to +200	25	120

# CF3

HOSES



## APPLICATION

- transport of hot gas, vapours and exhaust gas, of temperature up to 350°C, emitted by vehicles
- various exhaust gas extraction systems, such as hose reels, self-tightening suction ducts, overhead- and under floor exhaust extraction systems

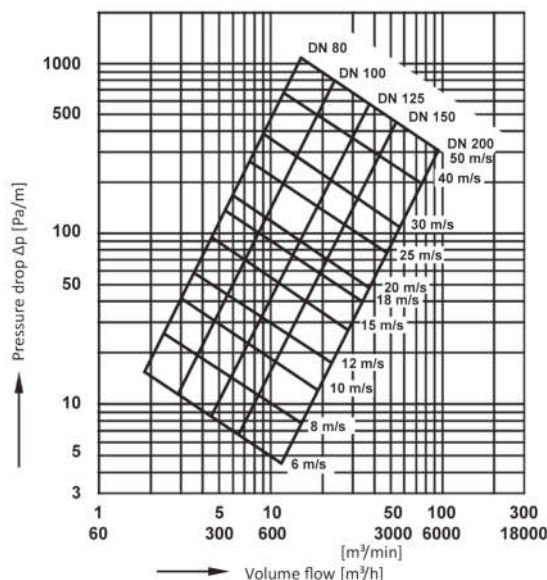
## ADVANTAGES

- increased thermal resistance
- wide range of diameters
- vibration absorbing
- hardly flammable
- abrasion resistant

## FEATURES

- coating: specially coated high-temperature fabric
- additional reinforcement: external steel spiral, galvanised and plastic coated
- standard length: 3–10 r.m.
- colour: wall grey-green, spiral red

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Maximum vacuum [hPa]	Bending radius [mm]
CF3-80	828P37	80	0,51	from -20 up to +300 (for short time up to +350)	125	48
CF3-100	828P22	100	0,64	from -20 up to +300 (for short time up to +350)	80	60
CF3-125	828P23	125	0,79	from -20 up to +300 (for short time up to +350)	50	75
CF3-150	828P24	150	1,23	from -20 up to +300 (for short time up to +350)	36	90
CF3-200	828P25	200	1,67	from -20 up to +300 (for short time up to +350)	20	140



# PVC FLEX

HOSES



## APPLICATION

- industrial hoses for various media (liquid, gas and solid)
- welding fumes extraction
- industrial- and household vacuum cleaners
- general ventilation

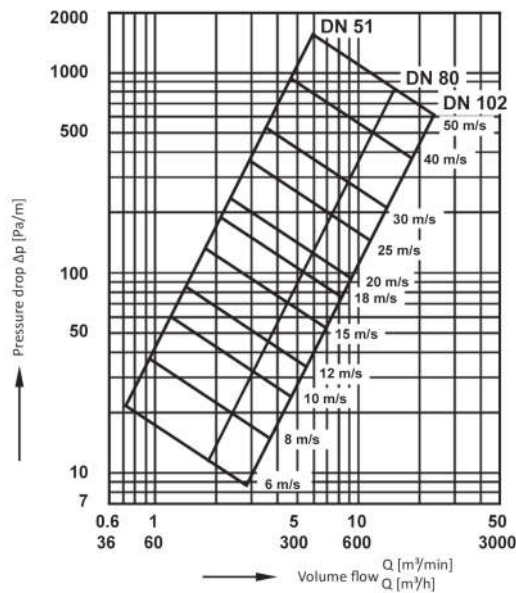
## ADVANTAGES

- very high flexibility
- good resistance to bases, acids and oils

## FEATURES

- wall: two layers of soft PVC, reinforced with yarn
- wall is additionally reinforced with a resilient steel spiral
- colour: black

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Operational pressure [hPa]	Maximum vacuum [hPa]	Bending radius [mm]
PVC FLEX-44	821P29	44	0,36	from -20 up to +70	1300	157	44
PVC FLEX-51	821P31	51	0,43	from -20 up to +70	1300	150	51
PCV FLEX-75	821P34	75	0,66	from -20 up to +70	800	100	76
PVC FLEX-80	821P30	80	0,81	from -20 up to +70	700	90	80
PVC FLEX-102	821P32	102	0,96	from -20 up to +70	600	80	102

# ALG

FLEXIBLE ALUMINIUM CONDUITS



## APPLICATION

- in industrial installations and air conditioning systems
- to construct complicated ventilation ductings

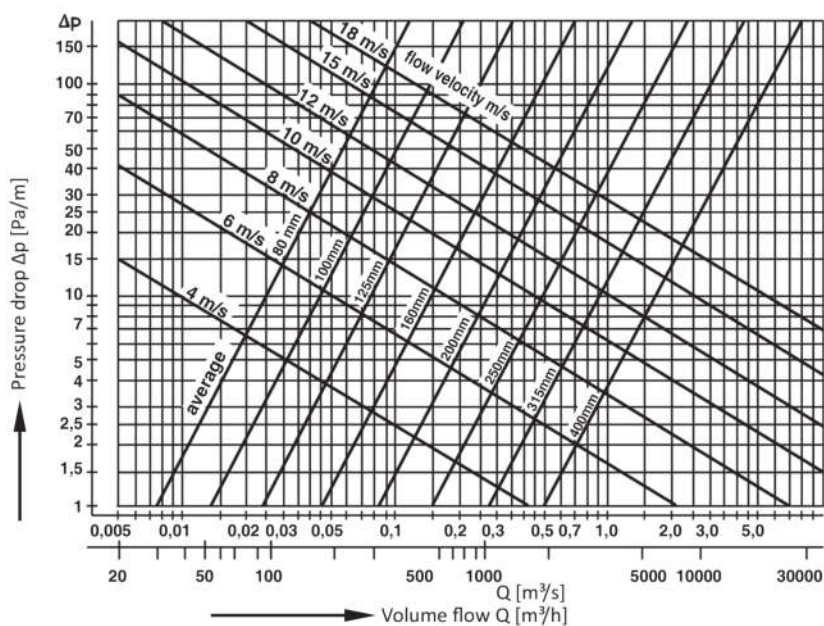
## FEATURES

- coating of aluminium alloy
- standard length 3 m
- colour: silver-grey

## ADVANTAGES

- not flammable
- high mechanical rigidity (due to seam-structure)
- resistant to corrosion
- easy to bend in a requested point to obtain the duct configuration, at the requested bending angle, whereby the internal section does not change

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Admissible static pressure [Pa]	Admissible static vacuum [Pa]
ALG-80	821P01	80	0,11	from -30 up to +250	2000	1000
ALG-100	821P02	100	0,14	from -30 up to +250	2000	1000
ALG-125	821P03	125	0,17	from -30 up to +250	2000	1000
ALG-160	821P04	160	0,22	from -30 up to +250	2000	1000
ALG-200	821P05	200	0,30	from -30 up to +250	2000	1000
ALG-250	821P06	250	0,37	from -30 up to +250	2000	1000
ALG-315	821P07	315	0,47	from -30 up to +250	2000	1000
ALG-400	821P09	400	0,60	from -30 up to +250	2000	1000

# PLT/Z

HOSES



## APPLICATION

- gas forwarding in underground mining plants, in non-methane and methane areas, in rooms of methane explosion hazard a, b, c

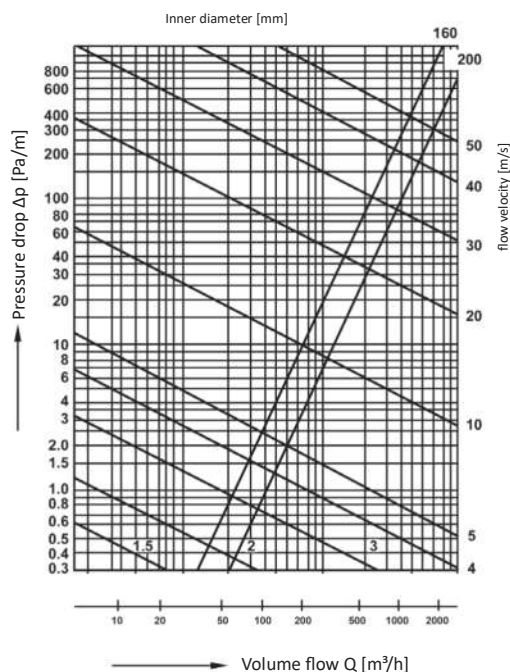
## ADVANTAGES

- anty-electrostatic
- hardly flammable

## FEATURES

- two layers of polyamide fabric, PVC-coated from both sides
- reinforced with a resilient wire spiral interwoven between the layers
- the fabric is admitted by Higher Mining Institute No. CZ/1473/2006 for application in underground mining plants
- standard length: 5 m
- colour: black

## FLOW CHARTS



## TECHNICAL DATA

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [oC]	Maximum pressure [Pa]	Maximum vacuum [Pa]
PLT/Z-160	828P08	160	3,9/5	from -15 up to +70	15 000	3000
PLT/Z-200	828P11	200	4,6/5	from -15 up to +70	15 000	3000
PLT/Z-250	828P09	250	5,8/5	from -15 up to +70	15 000	3000

# HT-450

HOSES



## APPLICATION

- transport of hot gas, vapour and exhaust gas, of temperature up to +500°C, emitted by vehicles
- various exhaust gas extraction systems, e.g. hose reels, self-tightening suction ducts and overhead extraction systems

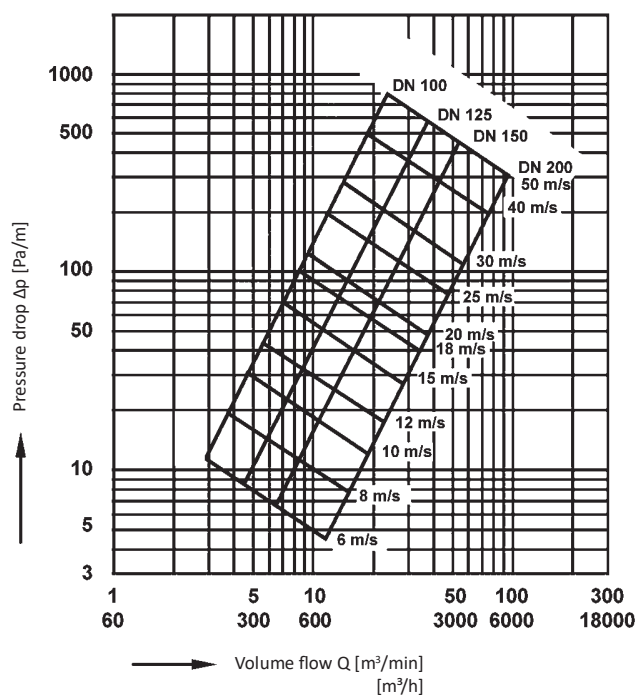
## FEATURES

- coating: high-temperature fabric, reinforced with fibres of stainless steel
- additional reinforcement with external spiral of zinc-coated steel
- standard length: 3–10 r.m.
- colour: externally - grey, inside - silver

## ADVANTAGES

- hardly flammable
- abrasion resistant
- high mechanical rigidity
- increased thermal resistance
- wide range of diameters

## FLOW CHARTS



## DANE TECHNICZNE

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Maximum vacuum [hPa]	Bending radius [mm]
HT-450-100	826P24	100	1,3	from -20 up to +450 (for short time up to +500)	88	60
HT-450-125	826P25	125	1,5	from -20 up to +450 (for short time up to +500)	55	75
HT-450-150	826P26	150	1,8	from -20 up to +450 (for short time up to +500)	40	90
HT-450-200	826P27	200	2,4	from -20 up to +450 (for short time up to +500)	22	140

# HT-650

HOSES



## APPLICATION

- transport of hot gas, vapour and exhaust gas, of temperature up to +750°C, emitted by vehicles
- various exhaust gas extraction systems, e.g. hose reels, self-tightening suction ducts and overhead extraction systems

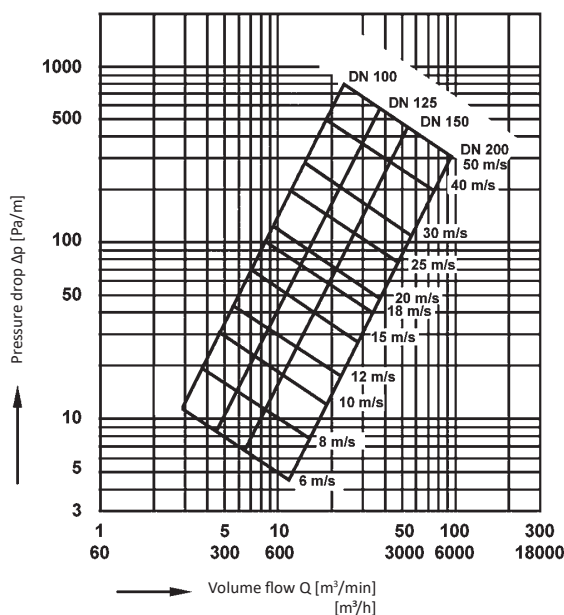
## FEATURES

- coating: high-temperature fabric, coated with temperature stabilisers, reinforced with fibres of stainless steel
- additional reinforced with steel spiral
- standard length: 3–10 r.m
- colour: silver

## ADVANTAGES

- vibration absorbing
- hardly flammable
- abrasion resistant
- increased thermal resistance
- wide range of diameters

## FLOW CHARTS



## DANE TECHNICZNE

Type	Part No.	Internal diameter [mm]	Unit weight [kg/m]	Temperature range of the conveyed air [°C]	Maximum vacuum [hPa]	Bending radius [mm]
HT-650-100	826P10	100	1,57	from -20 up to +650 (for short time up to +750)	168	60
HT-650-125	826P11	125	1,93	from -20 up to +650 (for short time up to +750)	105	75
HT-650-150	826P12	150	2,29	from -20 up to +650 (for short time up to +750)	76	90
HT-650-200	826P13	200	3,01	from -20 up to +650 (for short time up to +750)	42	120