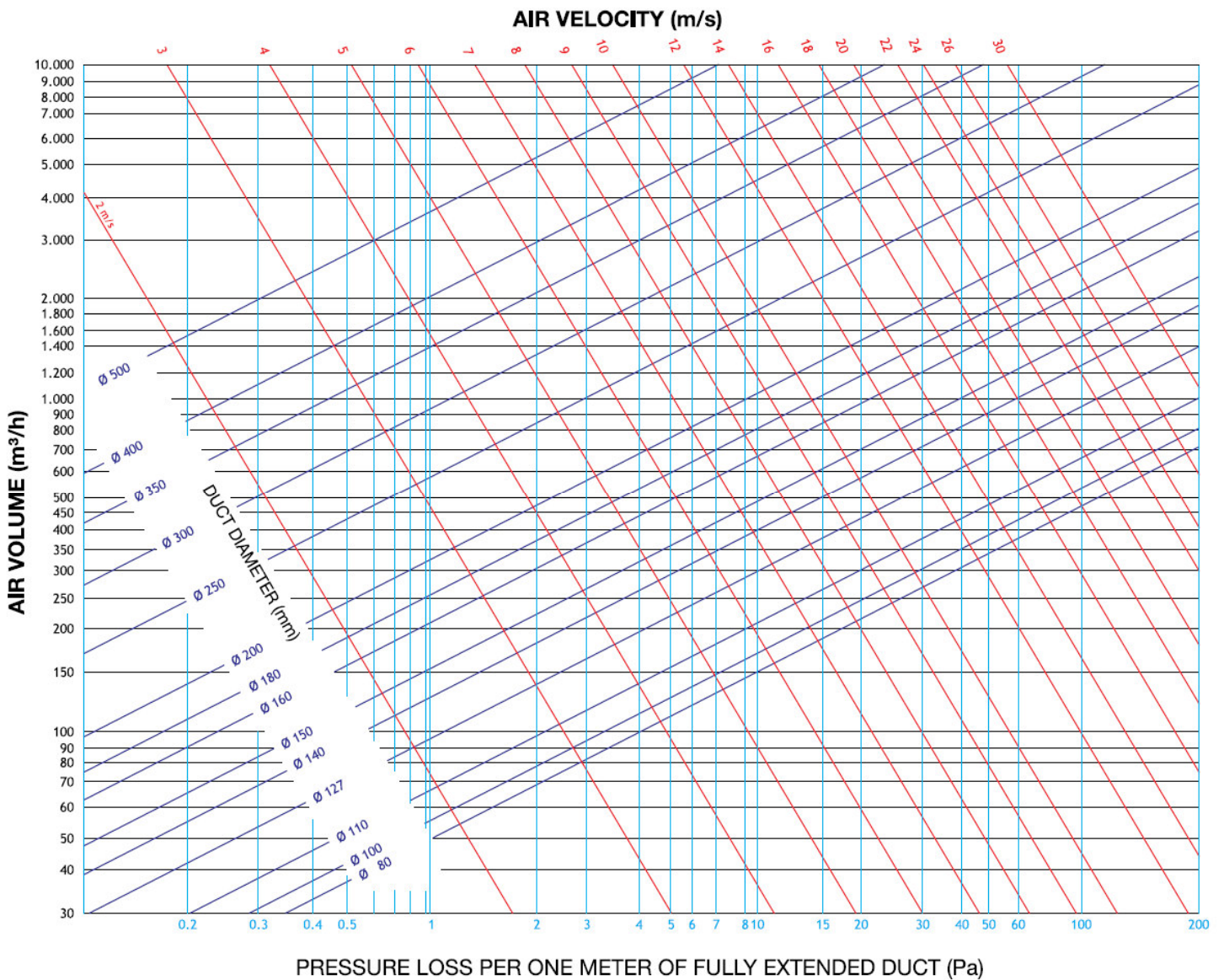


Technische Eigenschaften: 110HFS_ Reinaluminium Schlauch halbstarr

Feuerbeständigkeit:	nicht brennbar
Konstruktion:	1- fach Aluminium
Nenndicke:	90 My
Verfügbare Durchmesser:	Ø 80 mm – Ø 500 mm
Temperaturbereich:	-25°C / +250°C
Luftgeschwindigkeit:	25 m/s (max.)
Betriebsdruck:	2000 Pa (max.)
Kompressionsrate:	1/3
Standardlänge:	3.0 m
Verpackung:	Einzelkarton à 3 m

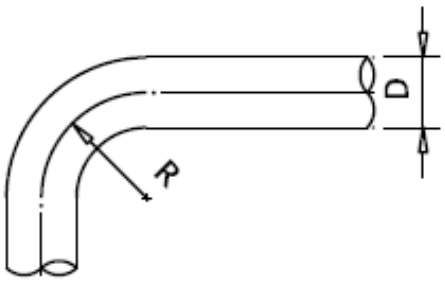
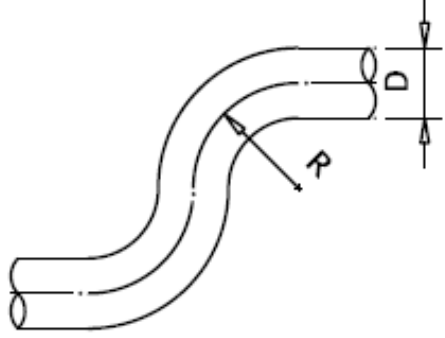
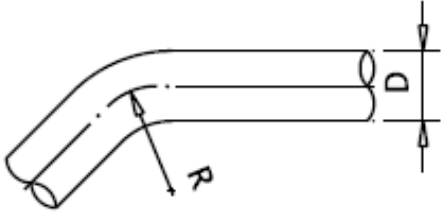
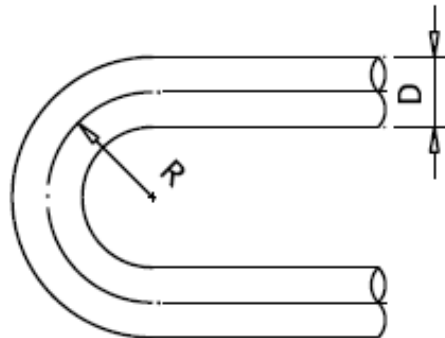
Druckverlust-Diagramm

110HFS_Reinaluminium Schlauch



Biegeverlust-Koeffizienten

110HFS_Reinaluminium Schlauch

	<p>90° Q=3m</p>		<p>2x90° Q=4.5m</p>
	<p>45° Q=1.5m</p>		<p>180° Q=7.5m</p>

Temperature	-20°C	-0°C	+20°C	+40°C	+60°C	+80°C	+100°C
Correction Fac.	1,158	1,073	1,000	0,936	0,880	0,830	0,785

SEMIAFS (R / D = 1)

■ Equivalent Length

$$Z = Q \times \frac{D}{300}$$

Z = Equivalent length, m
Q = Bend loss coefficient
D = Duct diameter, mm

■ Example

Air Velocity = 5m/s
Duct Diameter = 200mm
Pressure Loss = ?

90° Bend = 1 piece
Duct Length = 4m

Pressure loss in 1 m Duct = 3.12Pa (TABLO-1)
Bend loss coefficient = 3 (TABLO-2)
Equivalent Length = $3 \times \frac{200}{300} = 2.0\text{m}$
Pressure Loss = (2.0 + 4)m x 3.12Pa/m
= 18.72Pa