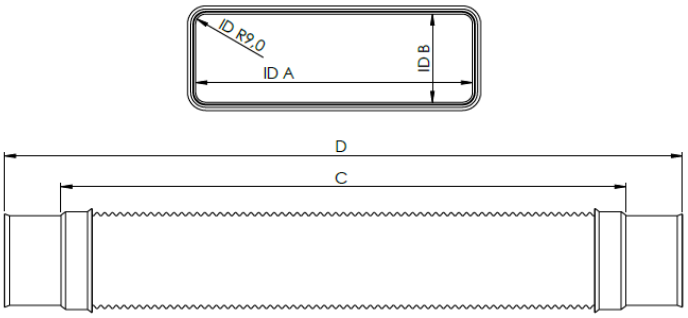
QUADRODEC ®

Quadrodec® Rectangular semi-flexible Alu duct F/F 220X55mm - 0,5m

Order code: QDCPFF220X55/0,5



← Extendable to max. 750mm →

ID A	ID B	C	D
mm	mm	mm	mm
220 ±0,5	55 ±0,5	500 -40/+0	580 -40/+0

Ideal for bridging differences in distance, this duct can be extended up to 1,5 X 500mm.

Description

Unique space-saving rectangular semi-flexible aluminum duct with pressed female connection for creating rectangular ductwork or placing an air valve directly.

Connection:	Female/Female
Material duct:	Aluminum 120µm Alloy 8011 EN ISO9227:2006
Material of end caps:	DX53D, Zinc plated 275g/m^2
Working temperature up to:	250°C.

Classification

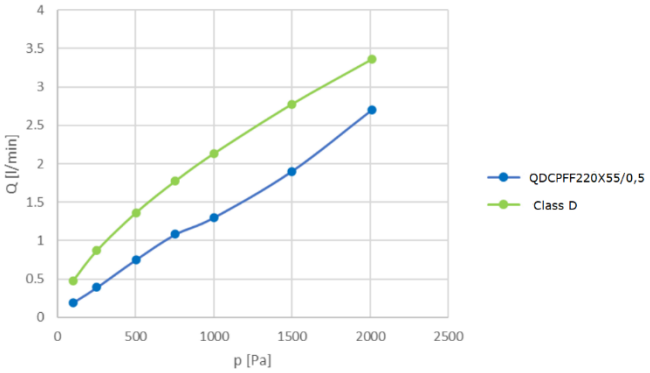
EN 13501-1:2018:	Class A1
EN 1507:	Leakage Class D/(ATC2)
Ansi Ashrae 120-2017:	Pressure loss

The dependence of volume flow Q and pressure drop Δp for dry air at a temperature of t=20 °C and pressure of p=101325 Pa, i.e. for air density of ρ=1.2 kg/m^3.

EN 1507 ("Ventilation for buildings – Air ducts of sheet steel with rectangular section – Requirements for strength and leakage"), duct wall was classified in one of four airtightness classes A, B, C or D.

Leakage

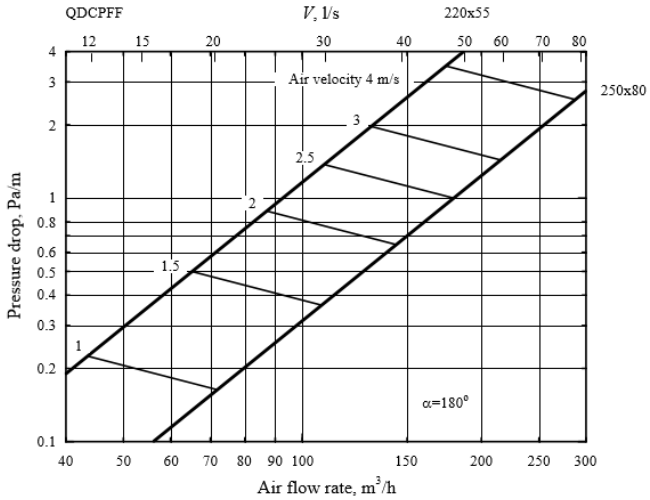
The dependence of air leakage factor f on the duct wall and overpressure p_m in the duct (220x55x500mm).

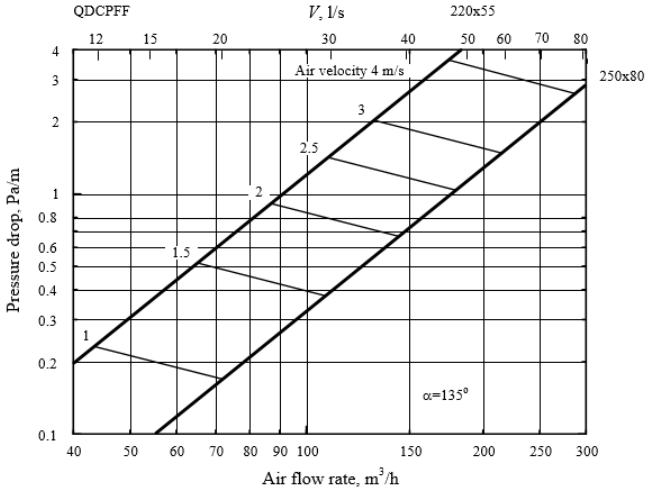


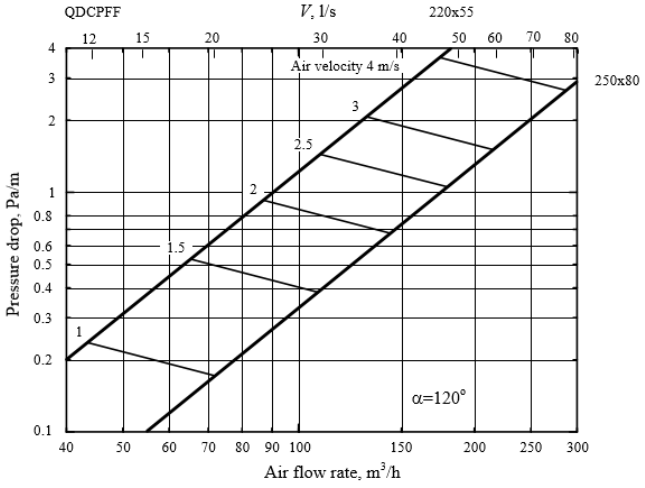
Dimensions [mm]	a [mm]	b [mm]	r [mm]	A [m^2]	O [mm]	D_h [m]
220x55x500/1000	220	55	9	0,012	0,535	0,088

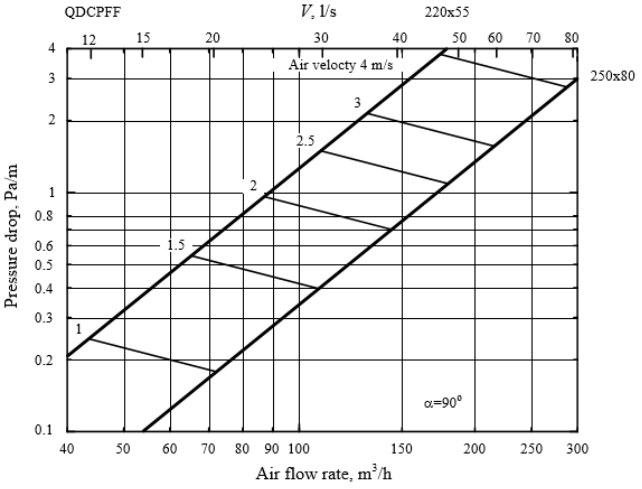
Pressure loss

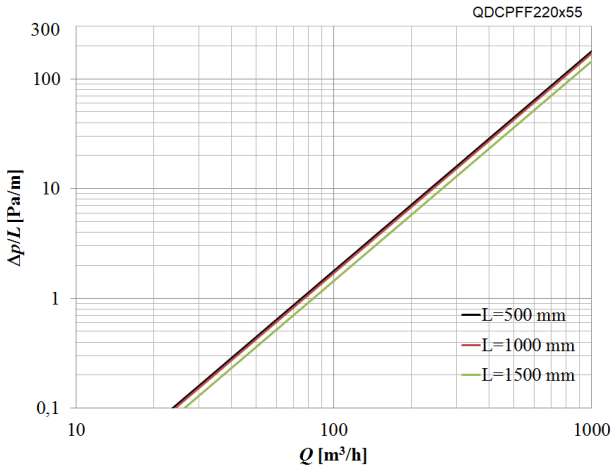
The pressure drop Δp straight and bends with three different curvatures for duct (220x55x500mm).











Also available in size 250X80mm.