

- Insulated
- Aluminium laminated
- Acoustically insulated



## Acoustic flexible connector type ACF-25-FF

The **ACF-25-FF** is a thermally and acoustically insulated duct equipped with a female galvanised duct connector on both ends.

### Application

- The **ACF-25-FF** flexible ducts are used in ventilation, air conditioning, and air handling systems where high mechanical strength, temperature, fire-resistance, and thermal and sound attenuating qualities are required

### Composition

- Micro-perforated heavy multiple layered corrugated innerduct
- aluminium/polyester outer jacket, reinforced with fibreglass
- Glass wool insulation of thickness 25 mm
- Fire safety: Innerduct according DIN4102 and European EN13501-1 classified as A1, Outer ducting according to EN13501-1 classifies B - s1, d0
- Colour: Aluminium
- Galvanized female duct connection on both sides of the flexible duct

### Specification

- Temperature range: From -30°C till +140°C
- Recommended air velocity (max): 10 m/s
- Operating over pressure (max): + 2000 Pa
- Pressure loss: see diagram
- Diameter range: 80 mm - 250 mm (315 on request)

### Chemical resistance

- Good resistance to many organic solvents
- Moderate resistance to acid and base
- Not be used for discharge of combustion gases from open fire places or oil-fired boilers

### Static properties

- The **ACF-25-FF** is suitable for applications where static discharges have to be avoided

### Accessories

- As the ACF-25-FF has 2 female connections, a male connection can easily be obtained by adding a male duct connection **MGM** to one or both sides

### Other available products

- Non-woven version available on request

**Order example**

■ **ACF-25-FF, 250, 1000**

Explanation :

**ACF-25-FF** = Type of Flexible duct

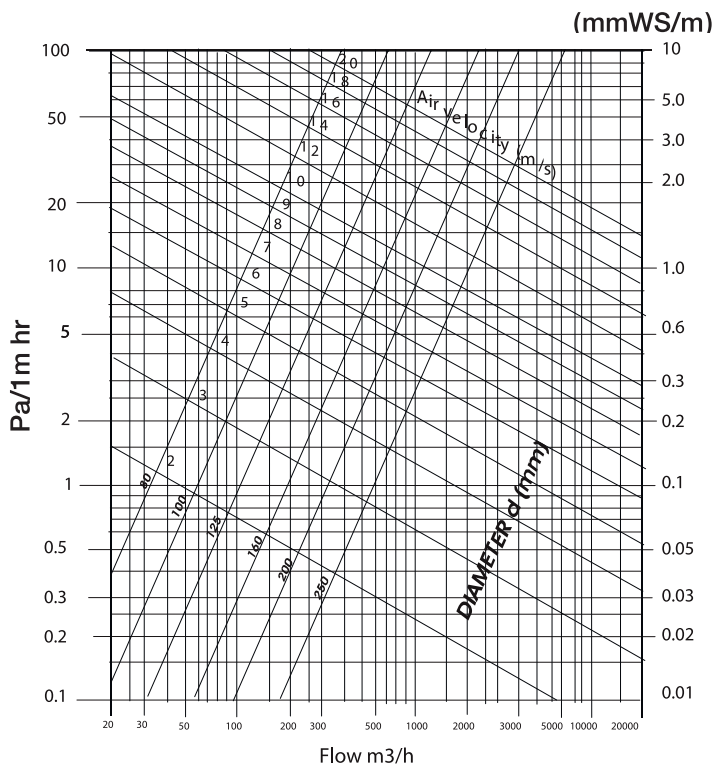
**250** = Diameter of duct connection

**1000** = Length of flexible duct

**Text for tender**

- The connection of the plenum boxes shall be done with the use of acoustically and thermally insulated flexible ducts. Innerducting according to DIN4102 and European norm EN13501-1 Classified as A1. The outer jacket according to EN 13501 and classified Bs1. The duct will be equipped with a female duct connection on both ends of the flexible part
- Brand **ATC** Type **ACF-25-FF**

**Pressure loss graph**



Sound attenuation for 1m duct - Tolerance +/- 2 dB										
	Dn [mm]	Attenuation, dB - Mid-frequency, Hz								Di [dB]
		63	125	250	500	1000	2000	4000	8000	
ACF-25-FF080	080	13.8	20.2	39.3	38.6	36	41.8	52.4	40.2	39
ACF-25-FF100	100	9.5	14.5	28.6	37.4	35.6	39.8	44.3	29.5	36
ACF-25-FF125	125	12.4	20.1	33.6	29.8	29.5	33.6	32.1	23.6	32
ACF-25-FF150	150	11.1	11.8	34.2	28.5	26.3	34.9	27.2	21.8	30
ACF-25-FF160	160	14.6	19.1	31.1	27	24.7	32.5	24	18.7	29
ACF-25-FF200	200	11.1	14.6	29.5	20.7	21	30	17.7	13.2	23
ACF-25-FF250	250	14.2	21.7	23.1	18.9	18.4	25.7	11.4	10.1	20