

DCSC-FMP(F) Stationary filter unit



Description

Self-cleaning DCSC-FMP(F) filter unit with flat filter cartridges is specially designed for cleaning of air from aerosols emitted during thermal metal cutting applications, as well as from other types of non-sticky and non-combustible dusts or fume particles. Filtration system with flat cartridges is capable of handling complex types of dusts such as graphite, chalk, fiberglass and similar. DCSC-FMP(F) is intended for indoor operation as a part of air extraction and cleaning system. Unit is equipped with highly efficient filter jet pulse compressed air filter cleaning system. Connection to external compressed air supply is required. Additional cleaning efficiency is provided by special air splitters inserts installed in each of the filter cartridges of the unit. Design of the DCSC-FMP(F) allows to combine multiple filter units to increase overall capacity.

Applications

- Welding processes
- Metal thermal cutting
- Blasting and sandblasting
- Metal surface treatment
- Mechanical metal cutting
- Handling of dry bulk materials

Industries

- Chemical
- Metallurgy
- Metal works
- Production of construction materials
- Ore mining
- Engineering

Features

- Built-in fan (FMPF model)
- Easy assembly and installation
- Simple change of filter cartridges
- High filtration efficiency
- Effective air cleaning system
- Units can be combined to increase overall capacity

Restrictions

- Not suitable for explosive or combustible substances
- Not suitable for materials that tend to smolder or self-ignite
- In case of sparking application, an additional spark protection measures are required

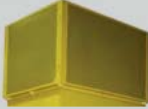





List of DCSC-FMP models

Article №	Model	Airflow, m ³ /h	Filtration area, m ²	No. of cartridges	Type of filter cartridge	Fan	Fan power, kW
DCSC-FMP (without fan)							
5636	DCSC-FMP-2	1200-2700	32,5	10	PCart-DCSC-FMP	-	-
5666	DCSC-FMPt-2	1200-2700	32,5	10	TCart-DCSC-FMP	-	-
5637	DCSC-FMP-4	2400-5500	65	20	PCart-DCSC-FMP	-	-
5667	DCSC-FMPt-4	2400-5500	65	20	TCart-DCSC-FMP	-	-
5638	DCSC-FMP-6	3500-8200	97,5	30	PCart-DCSC-FMP	-	-
5668	DCSC-FMPt-6	3500-8200	97,5	30	TCart-DCSC-FMP	-	-
DCSC-FMPF (with built-in fan)							
5639	DCSC-FMPF-2-4,7	1200-2700	32,5	10	PCart-DCSC-FMP	VFMP 4,7	2,2
5669	DCSC-FMPFt-2-4,7	1200-2700	32,5	10	TCart-DCSC-FMP	VFMP 4,7	2,2
5641	DCSC-FMPF-4-6	2400-5500	65	20	PCart-DCSC-FMP	VFMP 6	4
5671	DCSC-FMPFt-4-6	2400-5500	65	20	TCart-DCSC-FMP	VFMP 6	4
5640	DCSC-FMPF-4-7,5	2400-5500	65	20	PCart-DCSC-FMP	VFMP 7,5	5
5670	DCSC-FMPFt-4-7,5	2400-5500	65	20	TCart-DCSC-FMP	VFMP 7,5	5
5643	DCSC-FMPF-6-9	3500-8200	97,5	30	PCart-DCSC-FMP	VFMP 9	7,5
5672	DCSC-FMPFt-6-9	3500-8200	97,5	30	TCart-DCSC-FMP	VFMP 9	7,5
5642	DCSC-FMPF-6-11	3500-8200	97,5	30	PCart-DCSC-FMP	VFMP 11	11
5673	DCSC-FMPFt-6-11	3500-8200	97,5	30	TCart-DCSC-FMP	VFMP 11	11



Accessories

	Article №	Model	Description
	6296	NRG	Noise reduction jacket for DCSC-FMPF
	10089	sDNMP100	Differential gauge
	6058	Bracket	Bracket for differential gauge
	10432	PCart-DCSC-FMP	Flat filter cartridge, polyester
	18448	ACart-DCSC-FMP	Flat filter cartridge, antistatic
	10637	TCart-DCSC-FMP	Flat filter cartridge, PTFE

Aerodynamic characteristics of the FMP and FMPF filters

1 – DCSC-FMP-2, DCSC-FMP-F-2

2 – 2xDCSC-FMP-2, DCSC-FMP-4, DCSC-FMPF-4

3 – DCSC-FMP-6, DCSC-FMP-F-6

 loaded filter

 clean filter

