

SCHEDULE OF ARTICLES

Automatic Filter Type DDF

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Fully-automatic backwash filter with dynamic filter-drum and self-medium backwash without interruption of the filtration process during backwashing.

Large solid particles are crushed in order to flush them out problem-free.

Backwash speed in the filter-element up to 10 m/s.

medium	:
temperature	:	°C
main connection flanges according to DIN PN 10	:	mm
backwash by	:	self-medium
circulatory capacity	:	m ³ /h
filter-element, type	:	special-slotted sieve, special wire-cloth screen
filter-fineness	:	µm
working pressure	:	bar
design pressure	:	bar 10
pressure loss with clean filter approx.	:	bar 0,1
filter drive	:	three-phase worm gear motor with surface cooling
electric tension	:	V/HZ 400 / 50
output	:	kW
weight empty approx.	:	kg
weight filled with water approx.	:	kg

materials

filter housing	:	grey-cast with internal painting of synthetic material of several components
filter-drum, external and internal basket	:	grey-cast coated with epoxi-powder
filter-insert	:	stainless steel 1.4435, 1.4301
drive shaft with wearing bushing	:	stainless steel 1.4571
external painting	:	epoxy resin min. 150 µm / RAL 6018
dimensions acc. to drawing	:	no.

higher pressure stages and other materials deliverable on demand

Manufacturer	:	Dango & Dienenthal, Filtertechnik GmbH 57072 Siegen, C (0)271 / 401-0
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for filter backwash in intervals

- working time-dependent with overriding differential pressure, free adjustable
- with potential free contact for collective fault indication in the central control station

After response of the collective fault indication the following faults will be indicated at the DDS-control cabinet:

- either - fault in the filter operation
- or - faults at the electrical drive
- or - differential pressure too high

consisting of:

butterfly valve, differential pressure gauge, electronic control unit, knitted pressure wiring and assembly parts as well as backflushing lines, premounted at the filter

butterfly valve : mm

product contacting parts : stainless steel

with electrical drive

voltage : V/Hz 400 / 50 – 60

nominal output : Watt 60

with integrated overload protection, limit switches, emergency hand-wheel and position indication at site

including limiting loss of flushing water by mechanical special feature dependent on the working pressure

differential pressure gauging, consisting of

differential pressure manometer

static pressure : bar

measuring range : bar

with 2 adjustable micro-switches

with integrated inlet-pressure indicator

incl. cocks + screwings

electronic control unit

housing steel plate

protective system IP 55

dimensions: height x width x depth mm 300x380x210

working voltage V/Hz400 / 50 - 60

control voltage 24 V DC

type of attachment_ wall-attachment at site

The flushing water quantity of the Automatic Filter is : m³/h

flushing water quantity per each flushing process – duration 20 s : l

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