

SCHEDULE OF ARTICLES

Dynamic Single Filter Type DSF

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Fully-automatic backwash filter with external-medium backwash.
The filter-fineness is variable and can be changed at site. The filter is especially conceived for filtering out fibres. Due to an increasing of the filter-fineness during the backwashing-process it is possible to flush out also most difficult solids contaminations problem-free. One of the remarkable features of this filter is the particularly low flushing water quantity.

medium	:
temperature	:	°C
main connection flanges according to DIN PN10	:	mm
flushing by	:	external medium, min.. 3 bar
circulatory capacity	:	m ³ /h
filter elements, type	:	special filter-elements
fineness of filtration (variable adjustable at site)	:	µm 50 – 500
working pressure	:	bar
design pressure	:	bar
pressure loss with clean filter approx.	:	bar 0,1
weight empty	:	kg 145

materials

filter housing	:	stainless steel
filter-elements	:	polyamide
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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AUTOMATIC CONTROL for Dynamic Single Filter Type DSF

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- for flushing of the filter cartridges in the main stream in intervals
- working in dependence on time and differential pressure, free adjustable
 - differential pressure : 0 - 1,6 bar
 - time-flushing interval : continuously - 10 hours
 - flushing time : continuously - 10 hours
- 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:

- Y either : faults at the pneumatical drive
- Y 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 pneumatical drive

voltage solenoid valve : : 24 V GS

nominal output solenoid valve : : 2,7 W

compressed air, cleaned and oiled : : min.. 5 bar at site

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 and screwings

electronic control unit

housing : : steel plate

protective system : : IP 55

dimensions: height x width x depth : : 380 x 600 x 210

working voltage : : V/Hz 230 / 50

control voltage : : 24 V DC

type of attachment : : wall-attachment at site

The flushing water quantity of the

Dynamic Single Filter is : : m³/h

flushing water quantity

per each flushing process : : l

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