

SCHEDULE OF ARTICLES

Dynamic Twin Filter Type DTF

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Fully-automatic backwash filter with self-medium backwash, without interruption of the filtration process. 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	:	self-medium
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 450

materials

filter housing	:	steel / 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

AUTOMATIC CONTROL for Dynamic Twin Filter Type DTF page 2 / 2

- 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 electrical 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
- 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 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 Twin Filter is: m³/h

- flushing water quantity per each flushing process : l

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