

## SCHEDULE OF ARTICLES

### Combi Filter Type DCF

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Fully-automatic backwash filter with integrated hydrocyclone and self-medium backwash without interruption of the filtration process.

medium	:	.....
temperature	:	°C .....
main connection flanges according to DIN PN10	:	mm .....
backwash by	:	self-medium
circulatory capacity	:	m <sup>3</sup> /h .....
separation of particles with high density depending on difference of specific gravity, pressure differential, viscosity and solid matter concentration	:	µm .....
filter-elements, type	:	special-slotted sieve
filter-fineness	:	µm .....
working pressure	:	bar .....
design pressure	:	bar 10
pressure loss with clean filter	:	bar 0,5 – 0,7
weight empty approx.	:	kg .....
weight filled with water approx.	:	kg .....

### materials

filter housing middle part	:	stainless steel
filter housing upper- and lower part	:	steel welded with internal coating
filter-insert (slotted-sieve cylinder)	:	stainless steel 1.4435
dimensions acc. to drawing	:	no. ....

Manufacturer : Dango & Dienenthal, Filbertechnik GmbH  
57072 Siegen, C (0)271 / 401-0

## AUTOMATIC CONTROL for Combi-Filter Type DCF

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for filter backwash in intervals

- working time-dependent with overriding differential pressure
- 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, pre-mounted 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 with stored program control

housing : steel plate  
protective system : IP 55  
dimensions: width x height x depth : mm 380 x 300 x 210  
working voltage : V/Hz 400 / 50 - 60  
control voltage : 24 V DC  
type of attachment : wall-attachment at site

The flushing water quantity of the Combi-Filter is : m<sup>3</sup>/h .....

flushing water quantity per each flushing process : l .....

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