

## SCHEDULE OF ARTICLES

### Plate-Filter Type PLF

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Fully-automatic / manual-operated backwash filter in inline-construction.  
The filter-element is positioned as sieve-plate under 45° to the flow direction.  
A large collector for collecting the solids discharges the filter-element.  
There are no movable parts installed in the filter.

medium	:	.....
temperature	:	°C .....
main connection flanges according to DIN PN 10	:	mm .....
circulatory capacity	:	m <sup>3</sup> /h .....
filter-fineness	:	µm .....
filter-area, gross	:	m <sup>2</sup> .....
working pressure	:	bar .....
design pressure	:	bar 10
pressure loss with clean filter approx.	:	bar 0,1 – 0,2
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-insert (sieve-plate)	:	stainless steel 1.4301
external painting	:	epoxy resin min. 150 µm / RAL 6018

### differential pressure gauging. consisting of

differential pressure manometer		
static pressure	bar	25
measuring range	bar	0 - 1,6
with 2 adjustable micro-switches		
with integrated inlet-pressure indicator		
incl. cocks and screwings		
dimensions acc. to drawing	:	no.
Manufacturer	:	Dango & Dienenthal, Filtertechnik GmbH 57072 Siegen, C (0)271 / 401-0

**AUTOMATIC CONTROL for Plate Filter Type PLF**

- for flushing of the filter cartridges in the main stream in intervals
- working in dependence on time and differential pressure, free adjustable
  - differential pressure - adjustable 0 - 1,6 bar
  - time-flushing interval - adjustable continuously - 10 hours
  - flushing time - adjustable 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 gauging, electronic control unit, knitted pressure wiring and assembly parts

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

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