# JET Filter (JET-S) page 1 / 2

STANDARD VERSION

Fully-automatic backwash filter in compact inline-construction.

The cleaning of the filter is carried out with self-medium, without interruption of the filtration process. There are no movable parts installed in the filter. The mounting position is variable.

Due to the inertia of masses in movement of solids with high specific gravity they will not distribute the filter-element. Backwash speed in the filter-element up to 10 m/s.

|  |  |  |
| --- | --- | --- |
| **Operating conditions** |  | |
| medium |  |  |
| flow rate | m³/h |  |
| working pressure | bar |  |
| filter fineness | µm |  |
| operating temperature | °C |  |
| flushing by | self-medium | |
|  |  | |
| **Design data** |  | |
| main connection flanges acc. to DIN EN 1092 |  | |
| design pressure | 10 bar | |
| test pressure | 14,3 bar | |
| pressure loss with clean filter approx. | 0,1 – 0,3 bar | |
| design temperature | 0 - 50 °C | |
| construction and design | PED 2014/68/EU and AD 2000 | |
|  |  | |
| **Technical data** |  | |
| weight empty approx. | kg |  |
| weight filled approx. | kg |  |
| volume | l |  |
|  |  | |
| **Material** |  | |
| filter housing | stainless steel 1.4571 (AISI 316 Ti) | |
| filter element (slotted sieve cylinder) | stainless steel 1.4435 (AISI 316 L) | |
|  |  | |
| **Flushing water quantity** |  | |
| duration of each backwash process | ~ 15 sec | |
| flushing water quantity per each flushing process | l |  |

|  |  |
| --- | --- |
| Manufacturer | Dango & Dienenthal Filtertechnik GmbH |
|  | +49 271 401 41 23 |

# Automatic control for JET-S page 2 / 2

# for filter backwash in intervals

|  |  |
| --- | --- |
| **Backwash valve** |  |
| ball valve | PN 10 with reduction (Venturi) |
| housing + ball | stainless steel |
| packing | PTFE |
| with electrical drive |  |
|  |  |
| **Differential pressure indicator** |  |
| optical-electrical |  |
| mounted at the filter |  |
| housing | Aluminium, hard-oxidized |
| measure spring | stainless steel 1.4310 |
| diaphragm | NBR |
| knitted pressure wiring | stainless steel |
|  |  |
| **Electronic control unit** | mounted at the filter |
| housing | plastic |
| protective system | IP 63 |
| dimensions: width x height x depth | 180 x 180 x 110 mm |
| working voltage | 230 V, 50 Hz |
| push-button | manual filter backwash |
| electrical cabling  internal cabling ready made | length 5 m |
|  |  |
| **Filter cleaning effected by** |  |
| differential pressure adjustable | 0,4 bar |
| time-flushing interval adjustable | continuously - 10 hours |
| flushing time adjustable | continuously – 1 min |
|  |  |
| **Signal exchange with customer** | |
| with potential free contact in the DD-control cabinet | collective fault |
| release for backwashing |  |
| signal for control of an optional back-flushing pump |  |
|  |  |
| **Indication on display** | |
|  | filter in flushing process |
|  | filter is ready for operation |
| or | fault at the filter |

|  |  |
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