

# JUDO Centrifugal Separator

For the precipitation of solid particles in drinking- and service-water

## JUDO Centrifugal Separator JZA 20 - 80



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For the precipitation of solid particles in drinking- and service-water, the centrifugal separators use the density difference between the substances to be separated and the water to be purified. Therefore they act ideally as a pre-treatment, before the backwash protective filters to prolong the retention time and the backwashing intervals. The best separating results can be found in the range between 70 to 100% of the maximal flow rate and a continuous flow rate. Requires air/water control pressure of 3 - 4 bar where the automatic sludge removal unit is in use.

### Advantages of the centrifugal separators:

- ◆ No moving wearing parts
- ◆ No interruption times
- ◆ Little space required
- ◆ Periodical desludging of the separated substances
- ◆ No sieves or similar filter material required
- ◆ No maintenance or backwashing cycles
- ◆ Simple integration into existing tubes

**Scope of Supply:** The centrifugal separator itself is to be considered as a compact closed function unit with lateral intake and overhead discharge outlet. Material steel ST 37, varnished, PN 10.

Upon request design in stainless steel and higher performance.

Type	JZA 20	JZA 25	JZA 32	JZA 40	JZA 50	JZA 65	JZA 80
Nominal flow rate m <sup>3</sup> /h	2 - 5	4 - 8	6 - 12	9 - 17	14 - 24	21 - 35	33 - 65
Pressure Loss bar	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9
Pipe connection	3/4" AG	1" AG	1 1/4" AG	1 1/2" AG	2" AG	DN 65	DN 80
Flushing connection	3/4" AG	3/4" AG	3/4" AG	3/4" AG	3/4" AG	3/4" AG	3/4" AG
Order - Number	8360446	8360447	8360448	8360449	8360450	8360451	8360452

Type	JZA 100	JZA 125	JZA 150	JZA 200
Water Flow Rate m <sup>3</sup> /h	64 - 125	90 - 170	165 - 270	230 - 380
Pressure Loss bar	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9	0,3 - 0,9
Pipe connection	DN 100	DN 125	DN 150	DN 200
Flushing connection	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Order - Number	8360453	8360454	8360455	8360456

### Flushing Units

For a time controlled flushing of the sedimentation chamber, consisting of a solenoid valve, normally closed, with mounted timer, 230 V/ 50 Hz, opening time 0 - 30 sec., 3/4"

Type JAE 20	Order - Number	8360457
Type JAE M 20 Manual Flushing Valve 3/4"	Order - Number	8361010

