

## JPF-AT 25mm

# BACKWASH FILTER

JUDO is engineered to eliminate suspended particles that lead to pitting, corrosion, and blockages, effectively addressing these common problems and safeguarding valuable assets.

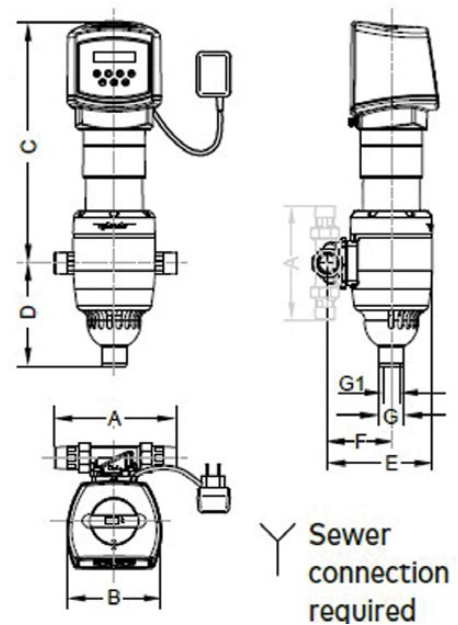


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

| PRODUCT CODE                                           |  |
|--------------------------------------------------------|--|
| J8020701                                               |  |
| FLOW RATES                                             |  |
| Max Flow Rate m <sup>3</sup> /hour (l/s) 7.6 (2.1)     |  |
| OPERATING PRESSURES (KPA)                              |  |
| Maximum working pressure 1,600                         |  |
| Minimum pressure 200                                   |  |
| CONNECTIONS                                            |  |
| Inlet/Outlet (BPSM) 1" (25mm)                          |  |
| POWER                                                  |  |
| Power supply (Watts) 0.5mA                             |  |
| Electrical supply (V/Hz) 230/50 with a 24VAC plug pack |  |
| TEMPERATURE                                            |  |
| Max temperature 30                                     |  |

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

| WEIGHT (KG)                                  |           |
|----------------------------------------------|-----------|
| 6                                            |           |
| FILTER SURFACE AREA (CM <sup>2</sup> )       |           |
| 103.7                                        |           |
| BACKWASH                                     |           |
| Backwash water volume (Litres) 25-50         |           |
| Backwash flow rate (l/sec) 0.2 - 0.4         |           |
| Backwash cycle duration (Sec) 120            |           |
| MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE |           |
| 20kPa                                        |           |
| INSTALLED DIMENSIONS (MM)                    |           |
| A                                            | 195mm     |
| B                                            | 145mm     |
| C                                            | 378mm     |
| D                                            | 161mm     |
| E                                            | 164-184mm |
| F                                            | 120mm     |
| G                                            | 40mm      |
| G1                                           | 14mm      |
| H                                            |           |

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## JPF-AT 32mm

# BACKWASH FILTER

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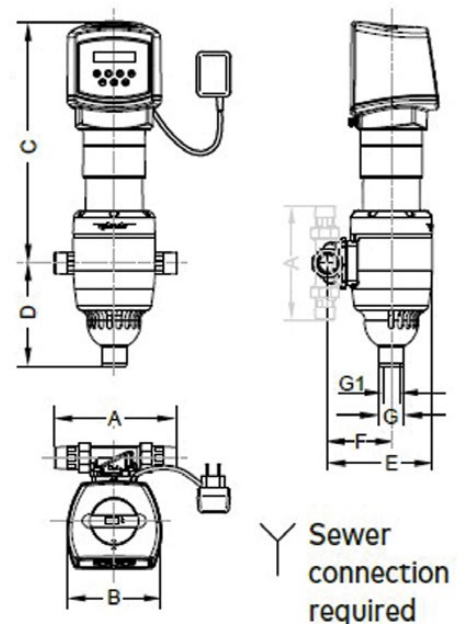


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

| PRODUCT CODE                                           |  |
|--------------------------------------------------------|--|
| J8020702                                               |  |
| FLOW RATES                                             |  |
| Max Flow Rate m <sup>3</sup> /hour (l/s) 8.5 (2.3)     |  |
| OPERATING PRESSURES (KPA)                              |  |
| Maximum working pressure 1,600                         |  |
| Minimum pressure 200                                   |  |
| CONNECTIONS                                            |  |
| Inlet/Outlet (BPSM) 1 1/4" (32mm)                      |  |
| POWER                                                  |  |
| Power supply (Watts) 0.5mA                             |  |
| Electrical supply (V/Hz) 230/50 with a 24VAC plug pack |  |
| TEMPERATURE                                            |  |
| Max temperature 30                                     |  |

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

| WEIGHT (KG)                                  |           |
|----------------------------------------------|-----------|
| 6                                            |           |
| FILTER SURFACE AREA (CM <sup>2</sup> )       |           |
| 103.7                                        |           |
| BACKWASH                                     |           |
| Backwash water volume (Litres) 25-51         |           |
| Backwash flow rate (l/sec) 0.2 - 0.4         |           |
| Backwash cycle duration (Sec) 120            |           |
| MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE |           |
| 20kPa                                        |           |
| INSTALLED DIMENSIONS (MM)                    |           |
| A                                            | 230mm     |
| B                                            | 145mm     |
| C                                            | 378mm     |
| D                                            | 161mm     |
| E                                            | 169-189mm |
| F                                            | 125mm     |
| G                                            | 40mm      |
| G1                                           | 14mm      |
| H                                            |           |

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## JPF-AT 40mm

# BACKWASH FILTER

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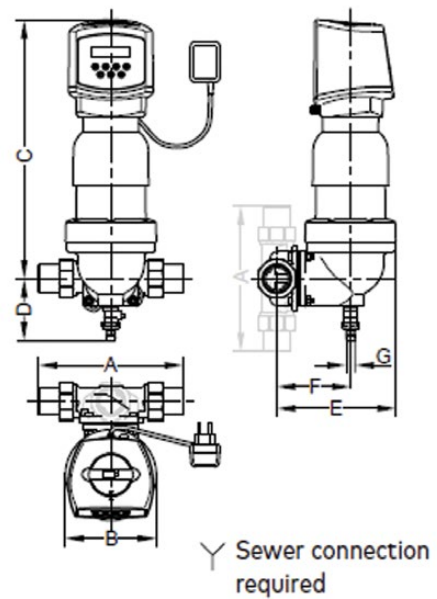


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

| PRODUCT CODE                                           |  |
|--------------------------------------------------------|--|
| J8020703                                               |  |
| FLOW RATES                                             |  |
| Max Flow Rate m <sup>3</sup> /hour (l/s) 18 (5.0)      |  |
| OPERATING PRESSURES (KPA)                              |  |
| Maximum working pressure 1,600                         |  |
| Minimum pressure 200                                   |  |
| CONNECTIONS                                            |  |
| Inlet/Outlet (BPSM) 1 1/2" (40mm)                      |  |
| POWER                                                  |  |
| Power supply (Watts) 0.5mA                             |  |
| Electrical supply (V/Hz) 230/50 with a 24VAC plug pack |  |
| TEMPERATURE                                            |  |
| Max temperature 30                                     |  |

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

| WEIGHT (KG)                                  |           |
|----------------------------------------------|-----------|
| 10.2                                         |           |
| FILTER SURFACE AREA (CM <sup>2</sup> )       |           |
| 217                                          |           |
| BACKWASH                                     |           |
| Backwash water volume (Litres) 36-96         |           |
| Backwash flow rate (l/sec) 0.3 - 0.8         |           |
| Backwash cycle duration (Sec) 120            |           |
| MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE |           |
| 20kPa                                        |           |
| INSTALLED DIMENSIONS (MM)                    |           |
| A                                            | 252mm     |
| B                                            | 158mm     |
| C                                            | 450mm     |
| D                                            | 107mm     |
| E                                            | 207-227mm |
| F                                            | 128-148mm |
| G                                            | 14mm      |
| G1                                           | -         |
| H                                            | -         |

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## JPF-AT 50mm

# BACKWASH FILTER

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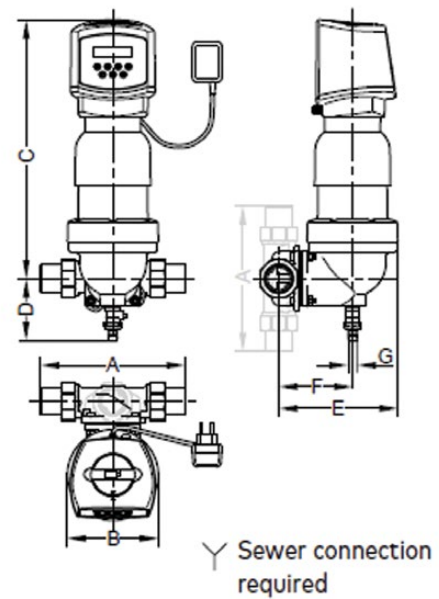


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

| PRODUCT CODE                                      |                               |
|---------------------------------------------------|-------------------------------|
| J8020704                                          |                               |
| FLOW RATES                                        |                               |
| Max Flow Rate m <sup>3</sup> /hour (l/s) 22 (6.1) |                               |
| OPERATING PRESSURES (KPA)                         |                               |
| Maximum working pressure                          | 1,600                         |
| Minimum pressure                                  | 200                           |
| CONNECTIONS                                       |                               |
| Inlet/Outlet (BPSM)                               | 2" (50mm)                     |
| POWER                                             |                               |
| Power supply (Watts)                              | 0.5mA                         |
| Electrical supply (V/Hz)                          | 230/50 with a 24VAC plug pack |
| TEMPERATURE                                       |                               |
| Max temperature                                   | 30                            |

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

| WEIGHT (KG)                                  |           |
|----------------------------------------------|-----------|
| 11.5                                         |           |
| FILTER SURFACE AREA (CM <sup>2</sup> )       |           |
| 217                                          |           |
| BACKWASH                                     |           |
| Backwash water volume (Litres)               | 36-96     |
| Backwash flow rate (l/sec)                   | 0.3 - 0.8 |
| Backwash cycle duration (Sec)                | 120       |
| MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE |           |
| 20kPa                                        |           |
| INSTALLED DIMENSIONS (MM)                    |           |
| A                                            | 280mm     |
| B                                            | 158mm     |
| C                                            | 450mm     |
| D                                            | 107mm     |
| E                                            | 215-235mm |
| F                                            | 136-156mm |
| G                                            | 14mm      |
| G1                                           | -         |
| H                                            |           |

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## JPF-AT DN65

# BACKWASH FILTER

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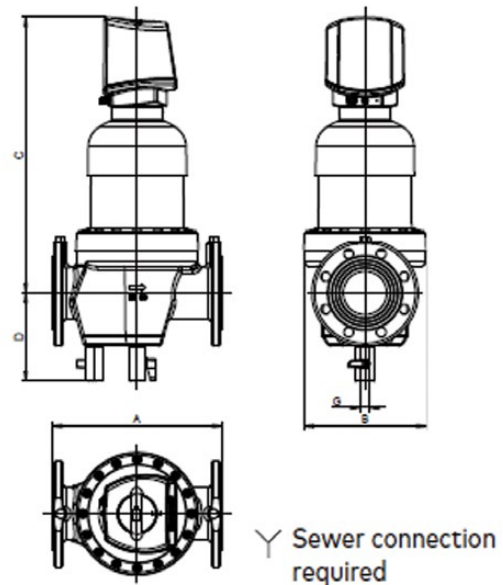
### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

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# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

### PRODUCT CODE

J8025115

### FLOW RATES

Max Flow Rate m<sup>3</sup>/hour (l/s) 28.0 (7.7)

### OPERATING PRESSURES (KPA)

Maximum working pressure 1,600

Minimum pressure 200

### CONNECTIONS

Inlet/Outlet (BPSM) 2 1/2" DN65 Flange

### POWER

Power supply (Watts) 0.5mA

Electrical supply (V/Hz) 230/50 with a 24VAC plug pack

### TEMPERATURE

Max temperature 30

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

### WEIGHT (KG)

16.5

### FILTER SURFACE AREA (CM<sup>2</sup>)

217

### BACKWASH

Backwash water volume (Litres) 36-96

Backwash flow rate (l/sec) 0.3 - 0.8

Backwash cycle duration (Sec) 120

### MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE

20kPa

### INSTALLED DIMENSIONS (MM)

A 240mm

B 285mm

C 451mm

D 163mm

E -

F -

G 20mm

G1

H -

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## JPF-AT DN80

# BACKWASH FILTER

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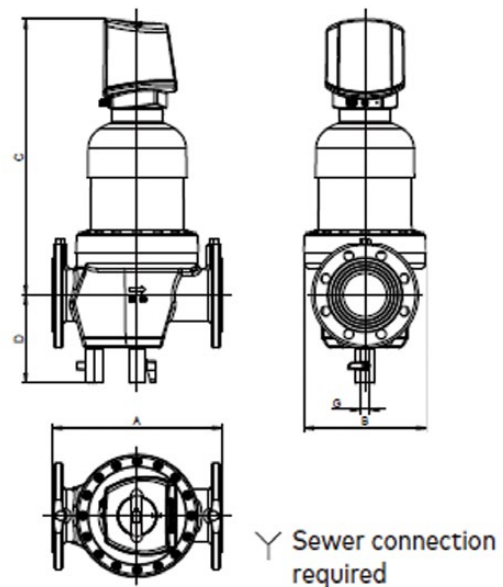


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

### PRODUCT CODE

J8025006

### FLOW RATES

Max Flow Rate m<sup>3</sup>/hour (l/s) 65.0 (18.0)

### OPERATING PRESSURES (KPA)

Maximum working pressure 1,000

Minimum pressure 200

### CONNECTIONS

Inlet/Outlet (BPSM) 3" DN80 Flange

### POWER

Power supply (Watts) 0.5mA

Electrical supply (V/Hz) 230/50 with a 24VAC plug pack

### TEMPERATURE

Max temperature 30

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

### WEIGHT (KG)

30

### FILTER SURFACE AREA (CM<sup>2</sup>)

533

### BACKWASH

Backwash water volume (Litres) 60-180

Backwash flow rate (l/sec) 0.5 - 1.5

Backwash cycle duration (Sec) 120

### MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE

20kPa

### INSTALLED DIMENSIONS (MM)

A 320mm

B 231mm

C 520mm

D 172mm

E -

F -

G 20mm

G1

H -

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## JPF-AT DN100

# BACKWASH FILTER

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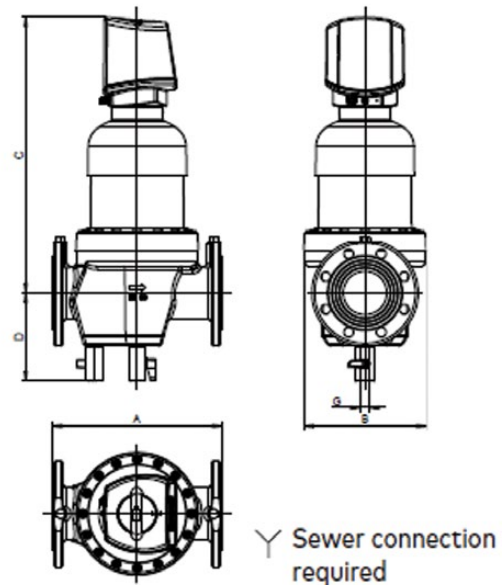


### JUDO JPF TIMER CONTROLLED SERIES

## FEATURES

- Manual or fully automatic screen cleaning by timer
- Extremely efficient screen cleaning ratio of 1:1 using point rotation principle
- Standard 100 micron stainless steel screen
- No interruption to water flow during screen cleaning
- Can be mounted in vertical or horizontal pipe runs
- Relies on pressure not flow for backwash
- Degree of dirt build up can be easily seen through the viewing glass
- Compact
- Minimum installation disruption
- Automatic or Manual Operation
- To suit site and budget
- Quality guaranteed
- German design and manufacture

# PLANS/ DRAWINGS



## OPERATIONAL REQUIREMENTS

### PRODUCT CODE

J8025007

### FLOW RATES

Max Flow Rate m<sup>3</sup>/hour (l/s) 78.0 (21.6)

### OPERATING PRESSURES (KPA)

Maximum working pressure 1,000

Minimum pressure 200

### CONNECTIONS

Inlet/Outlet (BPSM) 4" DN100 Flange

### POWER

Power supply (Watts) 0.5mA

Electrical supply (V/Hz) 230/50 with a 24VAC plug pack

### TEMPERATURE

Max temperature 30

Standard filtration fineness of 100 µm. Special filtration finenesses available on request with 30/320 and 500 µm. Operating temperature up to 30°C. 230 V/50 Hz electrical connection. \* for drinking water with clean strainer at 0.2 (0.5) bar pressure drop. For process water or heavily contaminated water, allow for a lower flow rate. Essential recommendation!

### WEIGHT (KG)

33.5

### FILTER SURFACE AREA (CM<sup>2</sup>)

533

### BACKWASH

Backwash water volume (Litres) 60-180

Backwash flow rate (l/sec) 0.5 - 1.5

Backwash cycle duration (Sec) 120

### MAXIMUM PRESSURE LOSS (KPA) AT MAX FLOW RATE

20kPa

### INSTALLED DIMENSIONS (MM)

A 320mm

B 231mm

C 529mm

D 182mm

E -

F -

G 20mm

G1

H -

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