

KYTOLA® Model H Variable Area Flow Meter is an industrial flow meter.

It comes with an injection molded impact resistant flow tube with threaded or socket type connections.



- For liquid or gas
- Good corrosion resistance
- Threaded or socket type connections
- Scales up to  
22 m<sup>3</sup>/h H<sub>2</sub>O  
14 Nm<sup>3</sup>/min air

ISO 9001 ISO 14001

## FLOW METER HV, HK, HT

Model H is a reliable instrument for measuring and monitoring liquid and gas flows.

### FEATURES

- Low cost
- Large variety of flow ranges

### TYPICAL APPLICATIONS

- Process industry
- Chemical industry
- Water treatment plants
- Flow measurement in PVC piping
- General liquid and gas measurement

### OPTIONS

- Scales for alternative liquids and gases
- Special scale markings
- Viton® or EPDM seals
- Low and high flow alarm

|                  |   |                                  |
|------------------|---|----------------------------------|
| <b>Model</b>     | HV  |                                  |
| Connection size  | G/NPT 1/2" or 20 mm socket  |                                  |
| Weight           | 120 g   |                                  |
| Max. pressure    | 10 bar at 20°C  |                                  |
| Max. temperature | 50°C at 2 bar   |                                  |
| Flow tube        | Grilamid (PA-12) or PES   |                                  |
| Connectors       | PVC   |                                  |
| Float            | AISI 329 or AISI 329/PTFE (depending on range)<br>Note! Other possible wetted metal parts: AISI 316 |                                  |
| Seals            | Nitrile (*Viton® or EPDM)   |                                  |
| Accuracy         | ±5% F.S. (H <sub>2</sub> O +20°C)   | *Special construction on request |

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### Connections

|                               |       |
|-------------------------------|-------|
| Without PVC connectors        | blank |
| Socket type connectors, Ø20mm | H     |
| NPT 1/2" threads              | N     |
| G 1/2" threads                | R     |

### Flow Range

| H <sub>2</sub> O m <sup>3</sup> /h | Air Nm <sup>3</sup> /min |    |
|------------------------------------|--------------------------|----|
| 0.02 – 0.11                        | 0.015 – 0.07             | 6H |
| 0.04 – 0.2                         | 0.03 – 0.13              | 3H |
| 0.075 – 0.3                        | 0.04 – 0.18              | 3K |
| 0.15 – 0.5                         | 0.06 – 0.28              | 3L |
| 0.15 – 0.6                         | 0.075 – 0.3              | 3M |
| 0.2 – 1.0                          | 0.1 – 0.5                | 4D |
| 0.2 – 1.3                          | 0.1 – 0.65               | 4E |
| 0.3 – 1.8                          | 0.2 – 0.9                | 4F |

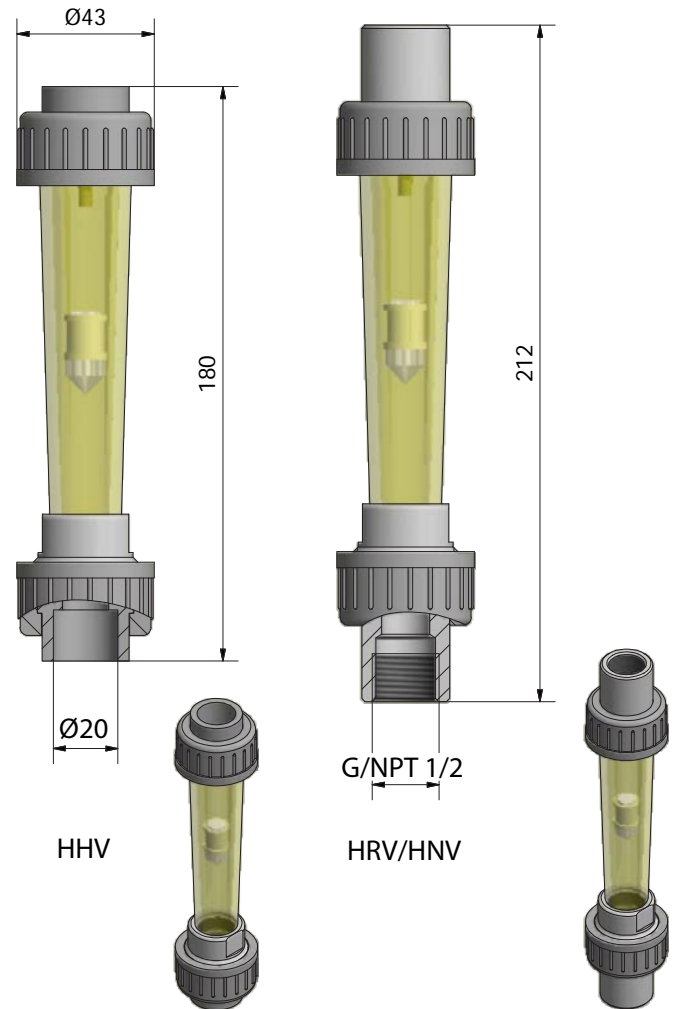
### Scale

|   |   |
|---|---|
| H <sub>2</sub> O (m <sup>3</sup> /h) at +20°C       | C |
| Air (Nm <sup>3</sup> /min) at +20°C/1.013 bar (abs) | S |

### Features

|                                   |       |
|-----------------------------------|-------|
| Grilamid flow tube, nitrile seals | blank |
| PES flow tube, nitrile seals      | V     |
| PES flow tube, Viton® seals       | W     |
| Grilamid flow tube, Viton® seals  | X     |

Standard feature: leave blank  
Special feature: choose Character



|                  |   |                                  |
|------------------|---|----------------------------------|
| <b>Model</b>     | HK  |                                  |
| Connection size  | G/NPT 3/4" or 25 mm socket  |                                  |
| Weight           | 280 g   |                                  |
| Max. pressure    | 10 bar at 20°C  |                                  |
| Max. temperature | 50°C at 2 bar   |                                  |
| Flow tube        | Grilamid (PA-12) or PES   |                                  |
| Connectors       | PVC   |                                  |
| Float            | AISI 329 or AISI 329/PTFE (depending on range)<br>Note! Other possible wetted metal parts: AISI 316 |                                  |
| Seals            | Nitrile (*Viton® or EPDM)   |                                  |
| Accuracy         | ±5% F.S. (H <sub>2</sub> O +20°C)   | *Special construction on request |

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### Connections

|                                |              |
|--------------------------------|--------------|
| Without PVC connectors         | <i>blank</i> |
| Socket type connectors, Ø25 mm | <b>H</b>     |
| NPT 3/4" threads               | <b>N</b>     |
| G 3/4" threads                 | <b>R</b>     |

### Flow Range

| H <sub>2</sub> O m <sup>3</sup> /h | Air Nm <sup>3</sup> /min |           |
|------------------------------------|--------------------------|-----------|
| 0.3 – 1.2                          | 0.14 – 0.6               | <b>4F</b> |
| 0.5 – 2                            | 0.25 – 1                 | <b>4E</b> |
| 0.6 – 2.6                          | 0.25 – 1.2               | <b>4A</b> |
| 0.8 – 3.4                          | 0.4 – 1.7                | <b>4B</b> |
| 0.8 – 3.6                          | 0.4 – 1.8                | <b>4C</b> |
| 1 – 4.75                           | 0.4 – 2.2                | <b>4D</b> |

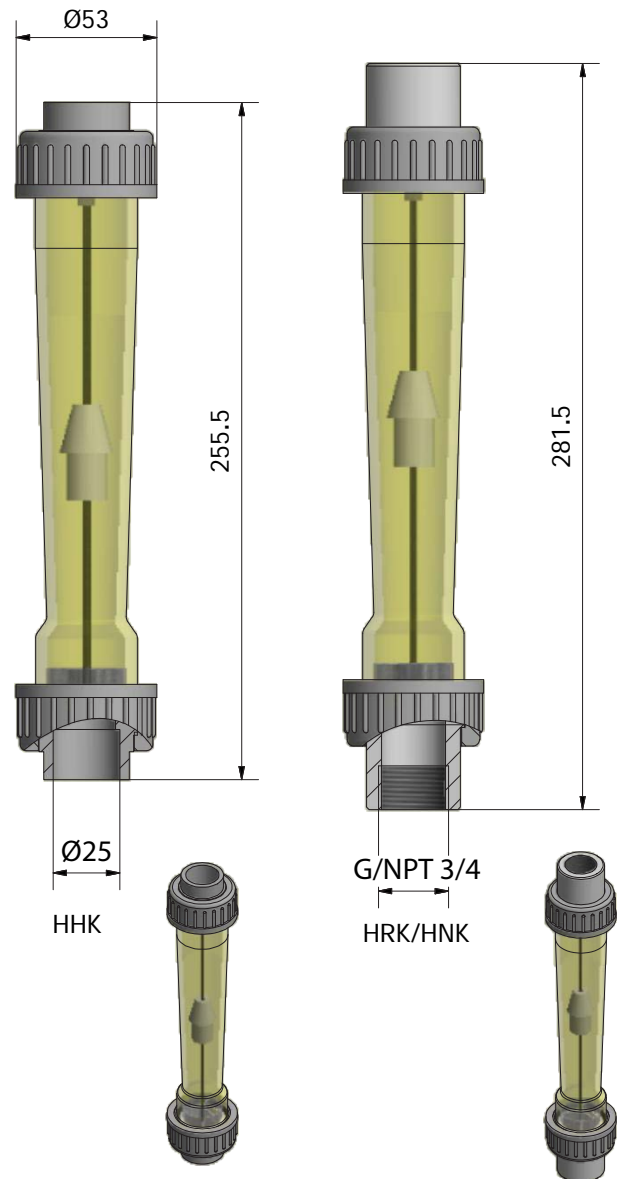
### Scale

|   |          |
|---|----------|
| H <sub>2</sub> O (m <sup>3</sup> /h) at +20°C       | <b>C</b> |
| Air (Nm <sup>3</sup> /min) at +20°C/1.013 bar (abs) | <b>S</b> |

### Features

|                                   |              |
|-----------------------------------|--------------|
| Grilamid flow tube, nitrile seals | <i>blank</i> |
| PES flow tube, nitrile seals      | <b>V</b>     |
| PES flow tube, Viton® seals       | <b>W</b>     |
| Grilamid flow tube, Viton® seals  | <b>X</b>     |

Standard feature: leave *blank*  
Special feature: choose Character



|                  |   |                                  |
|------------------|---|----------------------------------|
| <b>Model</b>     | <b>HT</b>   |                                  |
| Connection size  | G/NPT 1 1/4" or 50 mm socket  |                                  |
| Weight           | 980 g   |                                  |
| Max. pressure    | 10 bar at 20°C  |                                  |
| Max. temperature | 50°C at 2 bar   |                                  |
| Flow tube        | Grilamid (PA-12) (*PES)   |                                  |
| Connectors       | PVC   |                                  |
| Float            | AISI 329 or AISI 329/PTFE (depending on range)<br>Note! Other possible wetted metal parts: AISI 316 |                                  |
| Seals            | Nitrile (*Viton® or EPDM)   |                                  |
| Accuracy         | ±5% F.S. (H <sub>2</sub> O +20°C)   | *Special construction on request |

| Connections                   |              | H | T- | - | - |
|-------------------------------|--------------|---|----|---|---|
| Without PVC connectors        | <i>blank</i> |   |    |   |   |
| Socket type connectors, Ø50mm |              | H |    |   |   |
| NPT 1 1/4" threads            |              | N |    |   |   |
| G 1 1/4" threads              |              | R |    |   |   |

| Flow Range                         |                          |    |
|------------------------------------|--------------------------|----|
| H <sub>2</sub> O m <sup>3</sup> /h | Air Nm <sup>3</sup> /min |    |
| 0.5 – 3                            | 0.35 – 2                 | 4E |
| 0.6 – 6.4                          | 0.4 – 3                  | 4A |
| 0.5 – 9.5                          | 0.5 – 4.25               | 4F |
| 1.5 – 12                           | 1 – 6                    | 4B |
| 2 – 18                             | 1 – 8.5                  | 4C |
| 4 – 22                             | 2 – 14                   | 4D |

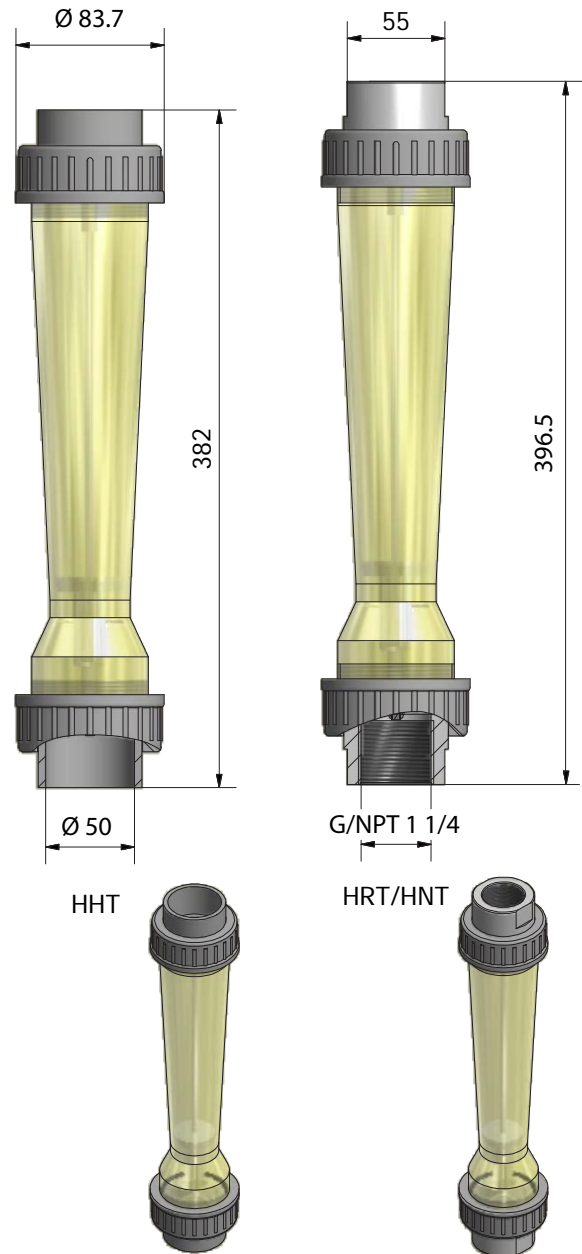
  

| Scale   |  |   |
|---|--|---|
| H <sub>2</sub> O (m <sup>3</sup> /h) at +20°C       |  | C |
| Air (Nm <sup>3</sup> /min) at +20°C/1.013 bar (abs) |  | S |

| Features                          |              |   |
|-----------------------------------|--------------|---|
| Grilamid flow tube, nitrile seals | <i>blank</i> |   |
| PES flow tube, nitrile seals      |              | V |
| PES flow tube, Viton® seals       |              | W |
| Grilamid flow tube, Viton® seals  |              | X |

Standard feature: leave *blank*  
Special feature: choose Character



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