

|   |  |   |                               |
|---|--|---|-------------------------------|
| <b>Equipment</b>                          | <b>Multi-function valve</b>  |   |                               |
| <b>Model</b>                              | <b>XAD 37 with electrical control box</b>  |   |                               |
| Measured liquids                          | Liquid hydrocarbons, industrial oils, fatty acid esters, alcohols (option)                         |   |                               |
| Static pressure                           | max  | 15 bar  |                               |
| Inlet pressure                            | min / max  | 0.9 bar / 10 bar                              |                               |
| Liquid temperature                        | min / max  | -10°C / +90°C                                 | 14°F / 194°F                  |
| Working flow rate (Qn)                    | max  | 80 m <sup>3</sup> /h - 1333 L/min - 360 USGPM |                               |
| Low flow rate adjustment                  | min / max  | 15 m <sup>3</sup> /h / 20 m <sup>3</sup> /h   |                               |
| Liquid viscosity                          | max  | 20 mm <sup>2</sup> /s                         |                               |
| Operating differential pressure           | max  | 0.9 bar                                       |                               |
| Pressure drop at maximum flowrate         | 0.5 bar (gasoil @ 20°C)  |   |                               |
| <b>Valve body</b>                         |  |   |                               |
| Connection nominal size                   | DN 80 / 3"   |   |                               |
| End connection style                      | Flanges ASA 150 RF   |   |                               |
| Body material                             | Steel (EN 1.0625)  |   |                               |
| External coating                          | Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010 (option)                               |   |                               |
| <b>Valve cylinder and piston</b>          |  |   |                               |
| Operating principle                       | Piston operated by differential pressure with electromechanically controlled inlet circuit.        |   |                               |
| Cylinder material                         | Aluminum (EN AC-42100)   |   |                               |
| Piston material                           | Aluminum (EN AW-7075) with lining  |   |                               |
| Seal material /O-ring                     | Viton , Nitrile (option for alcohols measurement)  |   |                               |
| Retaining spring                          | Stainless steel  |   |                               |
| Decompression ball - Thermal relief valve | Calibrated at 0.4 bar  |   |                               |
| Adjusting screw                           | For closing time adjustment  |   |                               |
| <b>electrical control box (AC16)</b>      |  |   |                               |
| Technology                                | Drive shaft controlled by 2 electromagnets allowing operation in low flow rate and high flow rate. |   |                               |
| Electromagnets specifications             | 230VAC 60Hz, 220VAC 50Hz, 110VAC 50Hz<br>Peak inrush intensity: 2A, holding intensity: 1A          |   |                               |
| <b>Environmental</b>                      |  |   |                               |
| Ambient working temperature               | min / max  | -20°C, -40°C (option) / +40°C                 | -4°F, -40°F (option) / +104°F |
| Protection class                          | IP 66  |   |                               |
| Storage temperature                       | min / max  | -40°C / +80°C                                 | -40°F / +176°F                |
| <b>Certification</b>                      |  |   |                               |
| ATEX approval                             | Ex d IIB T6 G b  |   |                               |

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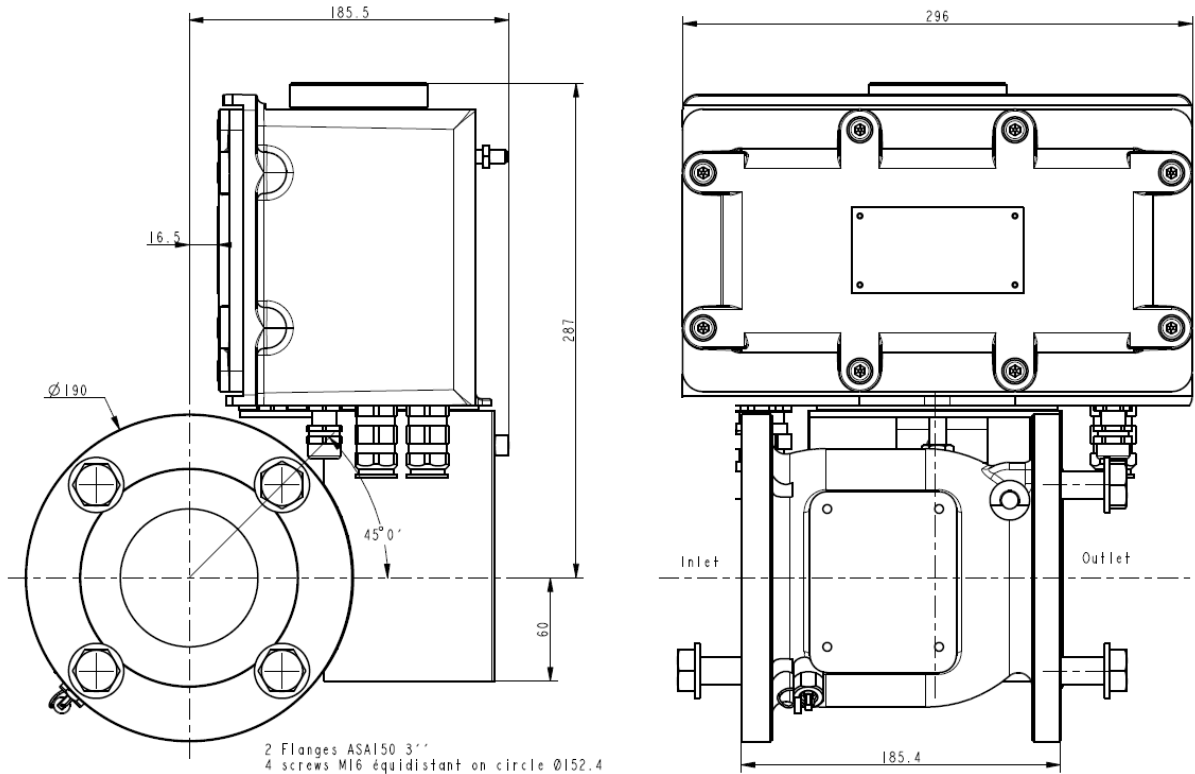
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**Dimensions and weight (horizontal installation)**



**Weight : 34 kg**

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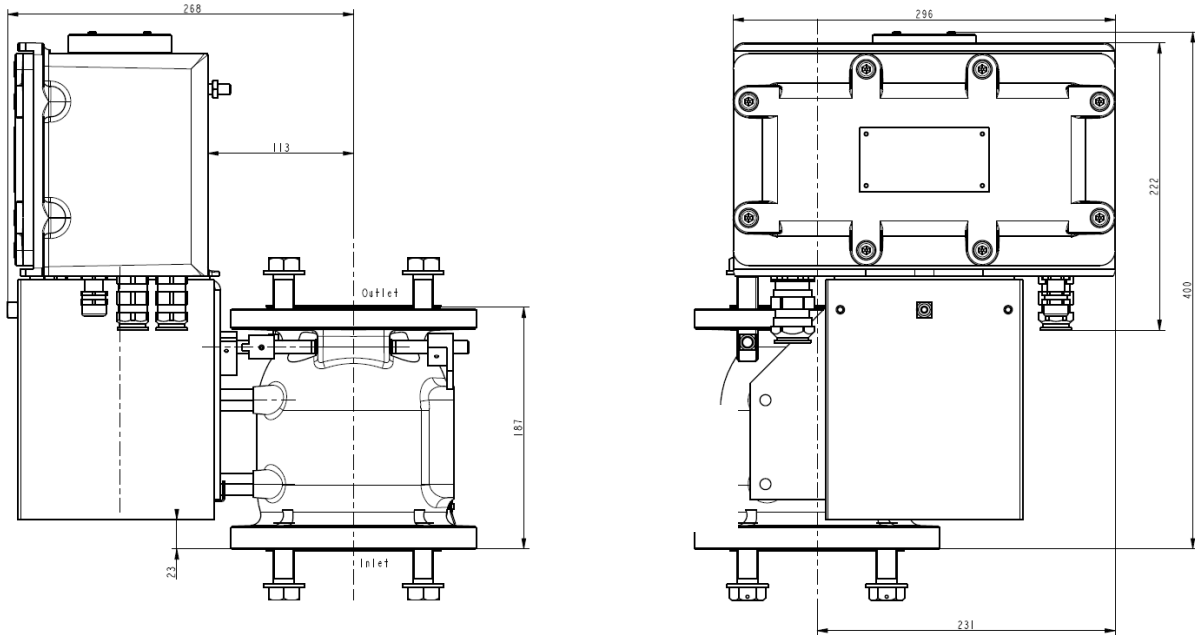
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| <b>Equipment</b> | <b>Multi-function valve</b>         |
| <b>Model</b>     | <b>XAD 37 with AC16 control box</b> |

**Dimensions and weight (vertical installation)**



**Weight : 34 kg**

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