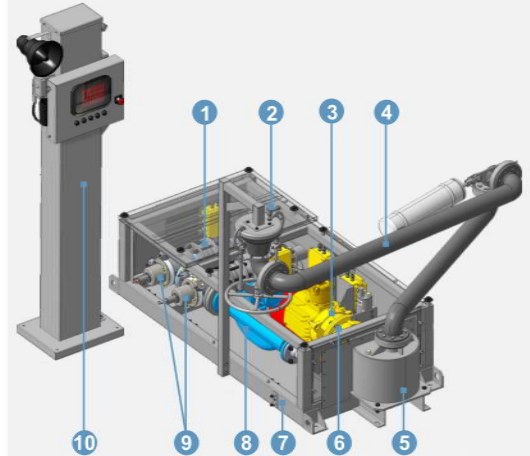




**CUSTOMER'S TRADE MARK
OEM PRODUCTION
FEATURE IS AVAILABLE**

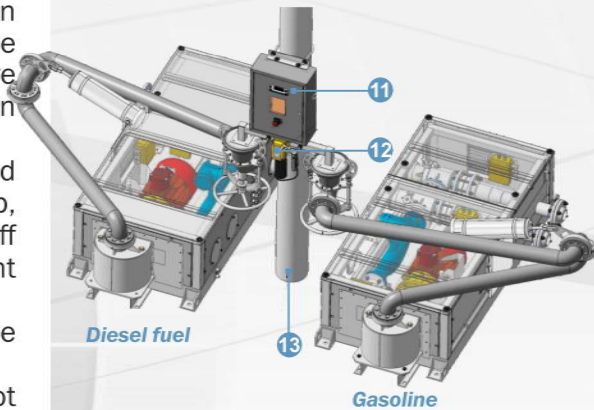


ASN-15P1 Measuring systems ('Loading arms' metering skids) are designated for petroleum and other product mass and volume, mean density and average temperature automated metering during the process of rail car unloading into the storage tanks. These skids are provided with the feature of data transfer to the upper level of automation system.

ASN-15P1 skid includes in its configuration DN100 hinged pipeline, receiver tank with the level gauge, monoblock electrical pump, mass flow meter and product distributor, provided with (1÷4) cut-off valves (for product flow regulation), which are connected to the different product manifolds through the check valves.

Measuring skids can be operated remotely by means of the operator's automated workstation or locally through the field controller.

The skid is mounted into the individual housing, provided with hot dip galvanized coating, and being operated outdoors without any shelter.



ASN-15P1 Measuring skid technical characteristics

Parameter	Value
Power demand, kW	7,5÷15
Supply voltage, V	380
Overall dimensions, mm	2075 x 950 x 1206
Unloading process flow rate, m ³ /h	50÷60
Mass measurement accuracy, %	±0,15
Volume measurement accuracy, %	±0,15
Mean density accuracy, kg/m ³	±0,5
Average temperature accuracy, °C	±0,5

ASN-15P1 measuring skid is completed with the unified components that are: swivel joints, valves, field controller and grounding device. This solution simplifies the procedure of component parts supply and installation and facilitates the skid operation as well. ASN-15P1 skid is designed to be operated under the conditions of moderate and cold climate (within the ambient temperature range from minus 40°C to plus 50°C).

- 1 Dn100 Flow cut-off valve
- 2 Loading standpipe position sensor
- 3 KM 80-50-200E Electrical pump (flow rate: 50 m³/h; pump head: 50m; power: 15kW)
- 4 USN-100 Rail car bottom unloading skid
- 5 Receiver tank
- 6 Product sensor
- 7 Mounting frame
- 8 Endress+Hauser Promass F300 DN50 Mass flowmeter
- 9 Dn100 PN16 Flow cut-off valve
- 10 Automation system rack
- 11 Control cabinet
- 12 UZA-OMEGA 1122 Grounding device
- 13 Loading rack support column