

Equipment Specifications & Scope of Supply Safety Devices for CO₂ & NH₃ Compressor

Deadline 26/8/2024 11:00 AM

Item	Qty	Specification
1	2	<p><u>Thermostat Switch with Remote Sensor</u></p> <ul style="list-style-type: none"> - Range 70-150 °C - Medium: Ammonia (NH₃) - Sensor Diameter :10 mm - Insertion Length: 110 mm - Adjustable Differential Setting: 1.8 – 25 °C - Complete with ST.ST sensor pocket - Process connection: 1/2" - Switch contact SPDT changeover with gold plated contact surface - Capillary length :2 m - Charge type: C - Protection: IP66 - Complete with all fittings for installation - Manufacture: Danfoss, Type RT107, Code No. 017-513566, - Switch Code No. :017-424066 Standard <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>
2	2	<p><u>Thermostat Switch with Remote Sensor</u></p> <ul style="list-style-type: none"> - Range 25-90 °C - Medium: Ammonia (NH₃) - Sensor Diameter :10 mm - Insertion Length: 110 mm - Adjustable Differential Setting: 2 – 20 °C - Complete with ST.ST Sensor Pocket - Switch Contact SPDT Changeover with Gold Plated Contact Surface - Capillary Length :2 M - Charge Type: B - Protection: IP66 - Complete with all fittings for installation - Manufacture: Danfoss, Type RT101, Code No. 017-500366, - Switch code No. :017-424066 Standard <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>

Item	Qty	Specification
3	4	<p><u>Pressure Switch</u></p> <ul style="list-style-type: none"> - Range: 10-28 Bar - Medium: Ammonia (NH₃) - Temperature: - 40 - 70 °C - Fixed Differential Setting: 1.5 Bar - Process Connection: Cutting Ring ø6 mm - Switch contact SPDT changeover with gold plated contact surface - Protection: IP66 - Complete with all fittings for installation - Manufacture: Danfoss, Type RT6AB, Code No. 017-513366, - Switch Code No. :017-424066 Automatic Reset <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>
4	2	<p><u>Differential Pressure Switch</u></p> <ul style="list-style-type: none"> - Range: 0.5 - 6 Bar - Medium: Ammonia (NH₃) - Temperature: - 40 - 70 °C - Process Connection: Cutting Ring ø6 mm - Switch contact SPDT changeover with gold plated contact surface - Protection: IP66 - Complete with all fittings for installation - Manufacture: Danfoss, Type RT260A, Code No. 017D001566, - Switch Code No. :017-424066 Automatic Reset <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>
5	2	<p><u>Pressure Switch</u></p> <ul style="list-style-type: none"> - Range: - 0.9 - 7 Bar - Adjustable Differential Pressure: 0.7 Bar - Medium: Ammonia (NH₃) - Complete with all accessories for installation - Manufacture: Danfoss, Type KP 1A - Process Connection: 1/4 in flare - Protection: IP66 <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>

Item	Qty	Specification
6	4	<p data-bbox="386 359 1214 394"><u>Solenoid Valve Complete with Flange, Strainer and Coil</u></p> <ul data-bbox="407 426 1065 835" style="list-style-type: none"> - Medium: Ammonia (NH₃) - Temperature: (- 25) – (- 40) °C - Pressure: 25 Bar - Strainer 1/2"BW Code No :006-0052, FA15 - Coil :24 VDC ,20 W code No. 018F6857 - Flange Type: 11 - Protection: IP66 - Complete with all accessories for installation - Model: EVRA15 Code No.032F6215 <p data-bbox="407 856 1422 892">Or equivalent manufacture with the same specifications of the a/m codes.</p>
7	2	<p data-bbox="386 978 1430 1058"><u>Two Wire Microprocessor Gauge Pressure Transmitter Complete with Digital Display, Local Keys for Configuration</u></p> <ul data-bbox="407 1094 1065 1598" style="list-style-type: none"> - Housing Material: Aluminum - Wetted Parts Material: St. St - Process Connection: 1/2" F - Power Supply: 24 VDC - Output: 4-20 mA - Range: 0-30 bar - Calibrated Range: 0- 25 bar - Protection: IP66 - Operating Temperature: (-20) – (80) °C - Medium: CO₂ - Complete with all accessories for installation

Item	Qty	Specification
8	4	<p><u>Fork Level Switch</u></p> <ul style="list-style-type: none"> - Length: 70 mm - Enclosure Material: st.st - Wetted Material: St St 316L - Medium: CO₂ - Temperature: (-40) – 150 °C - Pressure: 20 Bar - Contact Output: PNP/24 VDC - Process Connection: 1" BSP - Power supply: 24 VDC - Protection: IP66 - Complete with all accessories for installation - Manufacture: Rosemount - Type :211011ANA <p>Or equivalent manufacture with the same specifications of the a/m codes.</p>

General Notes:

- The above new instruments will be installed on the new Ammonia (NH₃) & Carbon Dioxide (CO₂) Compressors instead of the old ones & connected to the existing PLC thus, it is crucial to have the new instruments with the same specifications of the old ones.
- All above items will be provided with all related documents (Test, Origin, Calibration & Compliance Certificates, Catalogues, Datasheets...) as concerns the supplied items.
- **The Origin of Manufacture Must be (USA/Europe/Japan).**
