

| No. | Item No. | Item Discription | Up dated Specification(s) and or drawing numbers and Purchase Order Long Text |
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| 1 | 068054572 | VALVE BALL;INTAKE,50 MM,AIR | <p>VALVE, BALL; TYPE: XB-5, XB-6, XB-8 UP TO XB-14 WAGON, PORT STYLE: 2 WAY BALL, CONNECTION TYPE: FLANGED, CONNECTION SIZE: 50 MM, BODY MATERIAL: CAST IRON, BALL MATERIAL: STAINLESS STEEL GRADE 304, SEAT MATERIAL: NITRILE, STEM MATERIAL: STEEL, OPERATION METHOD: MANUAL(TO BE SUPPLIED WITHOUT HANDLE AS PER DRAWING), MEDIA FOR WHICH DESIGNED: CEMENT, PRESSURE RATING: 690 KPA, TEMPERATURE RATING: -20 to 82 DEG C; DRAWING: CME68_31032_413, LA; SPECIFICATION: PD_PEW_NAT_SPEC_1004, LA; THE BALL VALVE MUST BE SEALED IN A PLASTIC BAG WITH THE MATERIAL CERTIFICATE(S), TEST CERTIFICATE(S) AND PROOF OF GUARANTEE DURING DELIVERY. THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER/QUALITY MANAGER IN TRANSNET ENGINEERING FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER; THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION; IF THE DRAWING/SPECIFICATION HAS BEEN REVISED, APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEERING INSPECTOR</p> |
| 2 | 068039266 | SEAL;DOME LID,RUBBER,XB-TANK WAGON | <p>SEAL; TYPE: DOME LID, MATERIAL: RUBBER, DIMENSIONS: ID 543 X OD 587 X THE 6 MM, APPLICATION: XB TANK WAGONS; RUBBER SHORE HARDNESS 50-5 MIRBOND 153; DRAWING NO: CME 68_15631_360/latest; ITEM MUST BE ACCOMPANIED BY MATERIAL CERTIFICATE. THE SUPPLIER IS RESPONSIBLE FOR INFORMING THE ENGINEERING MANAGER/QUALITY MANAGER IN TRANSNET ENGINEERING FOR APPROVAL OF THE FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER: THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED. THE SUPPLIER WILL BE RESPONSIBLE FOR MODIFYING ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY THE PRODUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED</p> |

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| 3 | 68062353 | VALVE BALL;XB-6,XB-7,XB-8,XB-9 WAGON,THD | VALVE, BALL; TYPE: XB-6, XB-7, XB-8, XB-9 WAGON, PORT STYLE: 2 WAY BALL, CONNECTION TYPE: THREADED, CONNECTION SIZE: 40 MM, BODY MATERIAL: CAST IRON, BALL MATERIAL: STAINLESS STEEL GRADE 304, SEAT MATERIAL: NITRILE, STEM MATERIAL: STEEL, OPERATION METHOD: HAND, MEDIA FOR WHICH DESIGNED: CEMENT, PRESSURE RATING: 690 KPA, TEMPERATURE RATING: -20 to 82 DEG C; SPECIFICATION: PD_PEW_NAT_SPEC_100 5, LA; THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER IN TRANSNET ENGINEERING COLIGNY/GERMISTON FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER; THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION; IF THE DRAWING HAS BEEN REVISED, APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEER |
| 4 | 68002767 | VALVE RELIEF;SFTY,50 MM HIGH CAPACITY | VALVE, RELIEF; TYPE: SAFETY, COMMERCIAL SIZE: 50 MM HIGH CAPACITY, CONNECTION TYPE: SCREW ON, PRESSURE RANGE: 140 to 200 KPA, MEDIA FOR WHICH DESIGNED: CEMENT, APPLICATION: XB-6, XB - 8 UP TO XP -14 WAGONS; SPECIFICATION: EW_KLP_SPEC_2001, LA; VALVE, RELIEF; TYPE: SAFETY, COMMERCIAL SIZE: 50 MM HIGH CAPACITY, CONNECTION TYPE: SCREW ON, PRESSURE 200 KPA, MEDIA FOR WHICH DESIGNED: CEMENT, APPLICATION: XB-6, XB-8 UP TO XB-14 WAGONS; SPECIFICATION: EW_KLP_SPEC_2001, LA; DESCRIPTION: SAFETY RELIEF 50 MM HIGH CAPACITY POP TYPE FITTED ON A 65 MM REDUCING SOCKET 90 DEGREE ELBOW AND BAFFLE PLATE 200 KPA (RED); SPECIFICATION: 1. VALVE MUST BE SUITABLE FOR CEMENT, LIME AND TIOXIDE POWDERS; 2. VALVE DESIGN MUST BE SUITABLE FOR BOTH 140 KPA AND 200 KPA (SAME BODY) 3. VALVE AIR FLOW MUST BE NOT LESS THAN 17M3/MIN (600CFM); 4. AIR FLOW MUST BE DIRECTED DOWNWARDS (ELBOW FITTED); 5. VALVE MUST BE SUCH TO PREVENT TAMPERING. 6. VALVE MUST BE SEALED IN A PLASTIC BAG WITH THE TEST CERTIFICATE IN THE BAG; 7. VALVE MUST BE SERIALISED. THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER/QUALITY MANAGER IN TRANSNET ENGINEERING FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER, THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION. IF THE DRAWING/SPECIFICATION HAS BEEN REVISED, APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; THE FIRST COMPLETED AND SIGNED-OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEERING INSPECTOR. |

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| 5 | 568660625 | VALVE NON RETURN 80MM CHECKRITE | <p>DESCRIPTION: WAFER TYPE NON-RETURN VALVE, SIZE: 80 MM, BODY MATERIAL: CAST IRON; DISK MATERIAL: 304 STAINLESS STEEL; SEAT MATERIAL: EPDM; SPECIAL FEATURES: SUITABLE FOR 16 BAR; MEDIA FOR WHICH DESIGNED: XB-5, XB-6, XB-8 UP TO XB-14 WAGON; SPECIFICATION: EW_NAT_SPEC_2011/LATEST VALVE MUST BE SEALED IN A CLEAR PLASTIC BAG WITH THE MATERIAL AND TEST CERTIFICATE(S) IN THE BAG. THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER/QUALITY MANAGER IN TRANSNET ENGINEERING FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER, THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION. IF THE DRAWING/SPECIFICATION HAS BEEN REVISED, APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; THE FIRST COMPLETED AND SIGNED-OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEERING INSPECTOR.</p> |
| 6 | 68008400 | VALVE BUTTERFLY;CEMENT/WATER,CI,SS,CI | <p>VALVE, BUTTERFLY; TYPE: CEMENT AND WATER, BODY MATERIAL: CAST IRON, SEAT MATERIAL: EPDE LINER 100 MM, DISK MATERIAL: STAINLESS STEEL, TRIM MATERIAL: CAST IRON, SPECIAL FEATURES: SUITABLE FOR 16 BAR AT 105 DEG CELCUI WAFER TYPE BODY, PAINTED BLACK, MEDIA FOR WHICH DESIGNED: XB-6, XB-7, XB-8 AND XB-9 WAGON; SPECIFICATION: EW_NAT_SPEC_2009, LA; ITEM MUST BE ACCOMPANIED BY MATERIAL CERTIFICATE. FOR LEEUHOF PLANT ORDERS ONLY: THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER IN TRANSNET ENGINEERING GERMISTON FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER: THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED. THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED</p> |
| 7 | 768011494 | VALVE RELIEF;SFTY,DIA 178 MM,BOLTED | <p>VALVE, RELIEF; TYPE: SAFETY, COMMERCIAL SIZE: DIA 178 MM, CONNECTION TYPE: BOLTED, CONNECTION SIZE: HOLE TO HOLE 144 MM, VALVE PCD 203 MM, PRESSURE RANGE: 1930 KPA, TEMPERATURE RANGE: - 42.8 TO 73.9 DEG C, MEDIA FOR WHICH DESIGNED: LIQUID PETROLEUM GAS AND AMMONIA WAGONS, SEAT MATERIAL: BUNA N, BODY MATERIAL: STAINLESS STEEL, BRASS AND ALUMINIUM, SPECIAL FEATURES: START TO LEAK: 1910 KPA TO 1990 KPA, VAPOUR TIGHT: 1860 KPA, APPLICATION: LIQUID PETROLEUM GAS AND AMMONIA WAGONS, DIMENSIONS: HOLE SIZE: 4 HOLES X M22 X 2.5 -H6, HOUSING SIZE: MAXIMUM 194 MM X 194 MM, FLANGE HEIGHT: 44 MM, PACKAGE TYPE: THE VALVE SHOULD BE PACKED IN A CLEAR PLASTIC BAG WITH A TEST CERTIFICATE INCLUDED; P/N: A8890-280, REGO; SPECIFICATION: PD_PEW_NAT_SPEC_1202, LA; -EACH VALVE SHOULD BE LABELLED: I.E., COMPANY NAME, DATE OF MANUFACTURE, PRESSURE RATINGS ETC. -TEST CERTIFICATE TO BE SUPPLIED: FOR EACH VALVE -THE VALVES SHOULD COMPLY TO: THE "AAR MANUAL OF STANDARDS AND RECOMMENDED PRACTICES SPECIFICATIONS FOR TANK CARS - DISCHARGE RATE: THE MINIMUM REQUIRED RATE OF DISCHARGE IS 19780 SCFM (560 M3/MIN) AIR. -SPRING COATING: NON-CORROSIVE EPOXY COATING.-SAFETY RELIEF VALVE (HIGH PRESSURE FOR XV & XN WAGONS)</p> |

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| 8 | 768012544 | VALVE RELIEF;SFTY,PCD 158.7 MM,BOLTED | VALVE, RELIEF; TYPE: SAFETY, COMMERCIAL SIZE: PCD 158.7 MM, CONNECTION TYPE: BOLTED, CONNECTION SIZE: OD 4.745 IN +-0.03 IN; ID 4.005 IN +- 0.03 IN, PRESSURE RANGE: 280.5 PSI, MEDIA FOR WHICH DESIGNED: GAS TANKER, SEAT MATERIAL: BUNA N, BODY MATERIAL: STAINLESS STEEL; BRASS AND ALUMINIUM, SPECIAL FEATURES: BOLT CIRCLE: 6-1/4 IN DIA; FLANGE HOLES:7/8 IN DIA. START TO LEAK: 1910 KPA TO 1990 KPA, APPLICATION: LIQUID PETROLEUM GAS AND AMMONIA WAGONS, DIMENSIONS: HOLE SIZE: 4 HOLES X M22, PACKAGE TYPE: CLEAR PLASTIC BAG WITH A TEST CERTIFICATE INCLUDED.; SPECIFICATION: PD_PEW_NAT_SPEC_102, LA; A-1284 SMALL, REPLACEMENT FOR S1101 GAS TANK;STD 280.5 PSIG,SCFM 308.5 PSIG,3697.EACH VALVE SHOULD BE LABELLED: I.E., COMPANY NAME, DATE OF MANUFACTURE, PRESSURE RATINGS ETC. -TEST CERTIFICATE TO BE SUPPLIED: FOR EACH VALVE -THE VALVES SHOULD COMPLY TO: THE "AAR MANUAL OF STANDARDS AND RECOMMENDED PRACTICES SPECIFICATIONS FOR TANK CARS -DISCHARGE RATE: THE MINIMUM REQUIRED RATE OF DISCHARGE IS 3697 SCFM (.105 M3/MIN) AIR. -SPRING COATING: NON-CORROSIVE EPOXY COATING. -SAFETY RELIEF VALVE (HIGH PRESSURE FOR XV & XN WAGONS) |
| 9 | 568662725 | VALVE BUTTERFLY DN100 PN16 | VALVE, BUTTERFLY; TYPE: CEMENT AND WATER, BODY MATERIAL: CAST IRON, SEAT MATERIAL: EPDE LINER 100 MM, DISK MATERIAL: STAINLESS STEEL, TRIM MATERIAL: CAST IRON, SPECIAL FEATURES: SUITABLE FOR 16 BAR AT 105 DEG CELCUIS WAFER TYPE BODY, PAINTED BLACK, MEDIA FOR WHICH DESIGNED: XB-5, XB-6, XB-8 UP TO XB-14 WAGON; SPECIFICATION: EW_NAT_SPEC_2009, LA; ITEM TO BE SUPPLIED WITH A HANDLE. VALVE MUST BE SEALED IN A CLEAR PLASTIC BAG WITH THE MATERIAL AND TEST CERTIFICATE(S) IN THE BAG. THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER/QUALITY MANAGER IN TRANSNET ENGINEERING FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER, THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION. IF THE DRAWING/SPECIFICATION HAS BEEN REVISED, APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; THE FIRST COMPLETED AND SIGNED-OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEERING INSPECTOR |