NOT MEASUREMENT SENSITIVE

MIL-DTL-2G
SUPPLEMENT 1
29 September 2006

DETAIL SPECIFICATION

VALVES, CYLINDER, GAS
(FOR COMPRESSED OR LIQUEFIED GASES),
GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-DTL-2G, dated 29 September 2006.

SPECIFICATION SHEETS

MIL-DTL-2/1 - VALVE, CYLINDER, GAS: ACETYLENE, OUTLET 510, INLET 0.75 INCH (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/2 - VALVE, CYLINDER, GAS: ACETYLENE, OUTLET 510, INLET 1.00 INCH (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/3 - VALVE, CYLINDER, GAS: ACETYLENE, OUTLET 200 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/5 - VALVE, CYLINDER, GAS: AIR FOR HUMAN RESPIRATION, OUTLET 346 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/6 - VALVE, CYLINDER, GAS: AIR, OUTLET 590, OIL TOLERANT, INDUSTRIAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/7 - VALVE, CYLINDER, GAS: ANHYDROUS AMMONIA (DISHED-HEAD CYLINDER), OUTLET 240, INLET 0.75 INCH (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/8 - VALVE, CYLINDER, GAS: ANHYDROUS AMMONIA (CONVEX-HEAD CYLINDER), OUTLET 240, INLET 0.75 INCH (PRESSURES UP THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/9 - VALVE, CYLINDER, GAS: ANHYDROUS AMMONIA (DISHED-HEAD CYLINDER), OUTLET 240, INLET 1.00 INCH (PRESSURES UP THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/10 - VALVE, CYLINDER, GAS: ANHYDROUS AMMONIA (CONVEX-HEAD CYLINDER), OUTLET 240, INLET 1.00 INCH (PRESSURES UP THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/11 - VALVE, CYLINDER, GAS: ARGON, HELIUM, NITROGEN, NEON, AND XENON (INERT-OIL FREE), OUTLET 580 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))

SPECIFICATION SHEETS (Continued)

MIL-DTL-2/14 - VALVE, CYLINDER, GAS: BUTANE, PROPANE, BUTANE-PROPANE MIXTURE, MAPP GAS, AND PROPYLENE (MAXIMUM 100 POUND NOMINAL CAPACITY CYLINDER), OUTLET 510 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/15 - VALVE, CYLINDER, GAS: CARBON DIOXIDE, OUTLET 320, INDUSTRIAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/16 - VALVE, CYLINDER, GAS: CARBON DIOXIDE, OUTLET 320, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/17 - VALVE, CYLINDER, GAS: CARBON DIOXIDE, OUTLET 940 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/18 - VALVE, CYLINDER, GAS: CARBON MONOXIDE, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/19 - VALVE CYLINDER, GAS: ETHYLENE OXIDE-CARBON DIOXIDE MIXTURE, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/20 - VALVE, CYLINDER, GAS: CHLORINE, OUTLET 820 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/21 - VALVE, CYLINDER, GAS: CHLORINE (TON CONTAINER), OUTLET 820 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/22 - VALVE, CYLINDER, GAS: REFRIGERANTS, OUTLET 660 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/23 - VALVE, CYLINDER, GAS: ETHYL CHLORIDE, OUTLET 300 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/24 - VALVE, CYLINDER, GAS: ETHYLENE OXIDE, OUTLET 510 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/26 - VALVE, CYLINDER, GAS: HELIUM AND NITROGEN (INERT-OIL TOLERANT), OUTLET 590 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/27 - VALVE, CYLINDER, GAS: OXYGEN-HELIUM MIXTURE (HELIUM NOT OVER 80 PERCENT), OUTLET 280, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/28 - VALVE, CYLINDER, GAS: OXYGEN-HELIUM MIXTURE (HELIUM NOT OVER 80 PERCENT) OUTLET 890 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/29 - VALVE, CYLINDER, GAS: HYDROGEN, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/37 - VALVE, CYLINDER, GAS: NITROUS OXIDE, OUTLET 326, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/38 - VALVE, CYLINDER, GAS: NITROUS OXIDE, OUTLET 910 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))

SPECIFICATION SHEETS (Continued)

MIL-DTL-2/39 - VALVE, CYLINDER, GAS: OXYGEN, OUTLET 540 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/41 - VALVE, CYLINDER, GAS: OXYGEN, OUTLET 540, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/42 - VALVE, CYLINDER, GAS: OXYGEN, OUTLET 870 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/43 - VALVE, CYLINDER, GAS: PHOSGENE, (TON CONTAINER), OUTLET 660 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/44 - VALVE, CYLINDER, GAS: BUTANE, PROPANE, BUTANE-PROPANE MIXTURE, MAPP, AND PROPYLENE (MAXIMUM 200 POUND NOMINAL CAPACITY CYLINDER), OUTLET 510 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/46 - VALVE, CYLINDER, GAS: SULFUR HEXAFLUORIDE, OUTLET 590 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/47 - VALVE, CYLINDER, GAS: AIR FOR HUMAN RESPIRATION, OUTLET 950 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/48 - VALVE, CYLINDER, GAS: AIR FOR HUMAN RESPIRATION, OUTLET 346, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/49 - VALVE, CYLINDER, GAS: CYCLOPROPANE, OUTLET 920 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/50 - VALVE, CYLINDER, GAS: METHYL BROMIDE, OUTLET 330 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/51 - VALVE, CYLINDER, GAS: ARGON, HELIUM, NITROGEN, NEON, XENON, AND KRYPTON (INERT-OIL FREE), OUTLET 677 (PRESSURES 5501 THROUGH 7500 psig (38000 THROUGH 51700 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/52 - VALVE, CYLINDER, GAS: HALON FIRE FIGHTING MATERIALS, OUTLET 660 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/53 - VALVE, CYLINDER, GAS: HEXAFLUOROETHANE, OUTLET 660 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/54 - VALVE, CYLINDER, GAS: SULFUR DIOXIDE, OUTLET 660 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/55 - VALVE, CYLINDER, GAS: OXYGEN, OUTLET 540 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/56 - VALVE, CYLINDER, GAS: ARGON, HELIUM, NITROGEN, NEON, XENON, AND KRYPTON (INERT-OIL FREE), OUTLET 680 (PRESSURES 3001 THROUGH 5500 psig (20690 THROUGH 37900 kPa) AT 120 ºF (48.9 ºC))

SPECIFICATION SHEETS (Continued)

MIL-DTL-2/57 - VALVE, CYLINDER, GAS: HELIUM AND NITROGEN (INERT-OIL TOLERANT), OUTLET 621 (PRESSURES 3001 THROUGH 5500 psig (20690 THROUGH 37900 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/58 - VALVE, CYLINDER, GAS: ARGON, HELIUM, NITROGEN, NEON, XENON, AND KRYPTON (INERT-OIL FREE), OUTLET 677 (PRESSURES 5501 THROUGH 7500 psig (38000 THROUGH 51700 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/59 - VALVE, CYLINDER, GAS: AIR, OUTLET 347 (PRESSURES 3001 THROUGH 5500 psig (20690 THROUGH 37900 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/60 - VALVE, CYLINDER, GAS: OXYGEN-HELIUM MIXTURE (HELIUM OVER 80 PERCENT), OUTLET 500, MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/61 - VALVE, CYLINDER, GAS: OXYGEN-HELIUM MIXTURE (HELIUM NOT OVER 80 PERCENT), OUTLET 930 (PIN-INDEX), MEDICAL (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/62 - VALVE, CYLINDER, GAS: METHANE, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/63 - VALVE, CYLINDER, GAS: NATURAL GAS, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/64 - VALVE, CYLINDER, GAS: HYDROGEN CHLORIDE, OUTLET 330 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/65 - VALVE, CYLINDER, GAS: HYDROGEN SULFIDE, OUTLET 330 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/66 - VALVE, CYLINDER, GAS: MILDLY OXIDIZING MIXTURES (5 TO 23 PERCENT OXYGEN), OUTLET 590 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/67 - VALVE, CYLINDER, GAS: LOW PRESSURE, FLAMMABLE OR TOXIC MIXTURE, OUTLET 510 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/68 - VALVE, CYLINDER, GAS: INERT-OIL FREE MIXTURES, OUTLET 580 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/69 - VALVE, CYLINDER, GAS: CORROSIVE (ACIDIC) MIXTURES, OUTLET 330 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/70 - VALVE, CYLINDER, GAS: HIGH PRESSURE, FLAMMABLE OR TOXIC MIXTURES, OUTLET 350 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/71 - VALVE, CYLINDER, GAS: HIGH PRESSURE, TOXIC AND OXIDIZING MIXTURES, OUTLET 660 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/72 - VALVE, CYLINDER, GAS: FLUORINATING COMPOUND MIXTURES, OUTLET 670 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/73 - VALVE, CYLINDER, GAS: CORROSIVE (BASIC) MIXTURES, OUTLET 705 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))

SPECIFICATION SHEETS (Continued)

MIL-DTL-2/74 - VALVE, CYLINDER, GAS: LOW PRESSURE, TOXIC AND OXIDIZING MIXTURES, OUTLET 660 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))
MIL-DTL-2/75 - VALVE, CYLINDER, GAS: OXYGEN, OUTLET 577 (PRESSURES 3001 THROUGH 4000 psig (20690 THROUGH 27580 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/76 - VALVE, CYLINDER, GAS: OXIDIZING MIXTURES, OUTLET 296 (PRESSURES THROUGH 3000 psig (20680 kPa) AT 120 ºF (48.9 ºC))
MIL-DTL-2/77 - VALVE, CYLINDER, GAS: METHYL CHLORIDE, OUTLET 660 (PRESSURES THROUGH 500 psig (3450 kPa) AT 70 ºF (21.1 ºC))

Custodians:
Army - AT
Navy - SH
Air Force - 68

Preparing Activity:
DLA - GS7

Review Activities:
Army - AV
Navy - AS, MC

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at http://assist.daps.dla.mil/.