

- (a) THE VALVE ASSEMBLY SHALL NOT CONTACT ANY INTERNAL PARTS OF THE UNIT IN WHICH IT IS USED. AN ADDITIONAL AREA OF 5/64 MINIMUM CLEARANCE SHALL BE PROVIDED FOR OPENING VALVE. STEEL BODY SHALL BE USED WITH STEEL BOLT, AND ALUMINUM ALLOY BODY SHALL BE USED WITH ALUMINUM ALLOY BOLT. PROVIDE SPACE AROUND VALVE MS28889-1 TO PERMIT USE OF OPEN END WRENCH ON THE HEXES AND TO PERMIT CONNECTION OF MIL-G-8348 GAGE ASSEMBLIES.

DIMENSIONS IN INCHES.

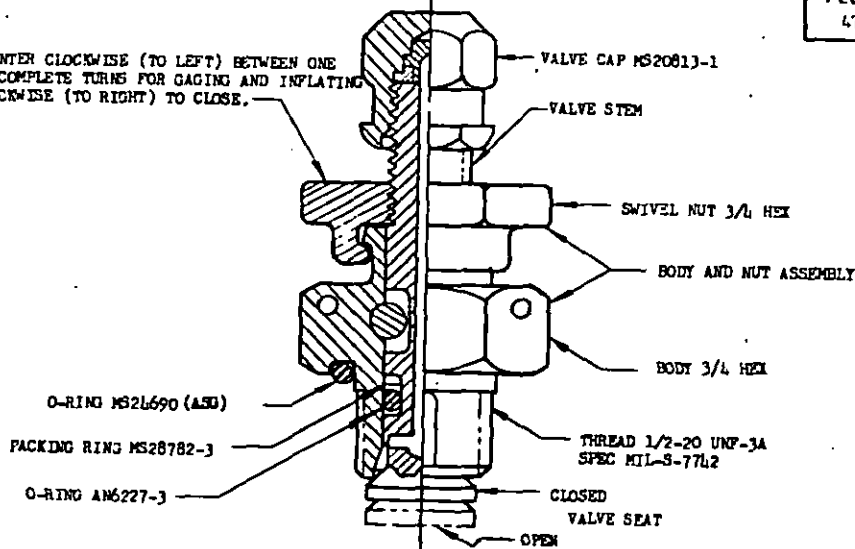
(A) FOR CHANGES SEE SHEET 1

Reviewers:

This military standard is approved by the Department of Defense and is mandatory on all activities. Subsequent actions for all new engineering and design applications and for repetitive use shall be made from this document.

P.A. USAP - 82	TITLE	MILITARY STANDARD
Other Cust USAF - 99 Army - HE Navy - AS	BOSS AND INSTALLATIONS - AIR CONNECTION	MS33651
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 2

TURN COUNTER CLOCKWISE (TO LEFT) BETWEEN ONE AND TWO COMPLETE TURNS FOR GAGING AND INFLATING. TURN CLOCKWISE (TO RIGHT) TO CLOSE.



MS2889-1 HIGH PRESSURE AIR VALVE ASSEMBLY

LUBRICATE O-RING MS26690 (ASO) WITH GREASE, SPECIFICATION MIL-L-4343 PRIOR TO INSTALLATION IN BOSS. THIS AIR VALVE SHOULD NOT BE USED IN ANY BOSS HAVING A DIAMETER OF LESS THAN 13/16 INCH. BOSS MUST BE CLEAN, AND SMOOTH.

CAUTION: CLEAN TOP SURFACE OF BOSS AND INSURE THAT IT IS FREE FROM NICKS AND SCRATCHES BEFORE INSTALLING AIR VALVE. WITH O-RING IN PLACE, TIGHTEN 3/4 HEX AGAINST TOP SURFACE OF BOSS TO 100-110 IN. LB TORQUE. NEVER LOOSEN BODY ASSEMBLY TO DISCHARGE AIR.

THIS AIR VALVE REPLACES AN6287-1 ON SHOCK STRUTS, AIR BOTTLES AND ACCUMULATORS AND IS SUITABLE FOR ALL OPERATING PRESSURES UP TO 5000 PSI. USE O-RING MS26690 (ASO) TO SEAL VALVE AT THE BOSS. USE CAP MS20813-1 AS A DUST SEAL DURING OPERATION. LOCK WIRE VALVE TO UNIT AFTER INSTALLATION IN BOSS, USING HOLES PROVIDED IN 3/4 HEX OF BODY. USE VALVE AS A COMPLETE ASSEMBLY. DO NOT INTERCHANGE PARTS.

OPERATING INSTRUCTIONS

A. USING GAGE ASSEMBLY MIL-G-8348

1. TO CHARGE WITH OR DISCHARGE AIR:
 - a. REMOVE DUST CAP MS20813-1.
 - b. ATTACH AIR FILLING CHUCK TO VALVE BY MEANS OF GAGE ASSEMBLY.
 - c. LOOSEN 3/4 HEX SWIVEL NUT TO BETWEEN ONE AND TWO TURNS. TURN COUNTERCLOCKWISE TO LOOSEN.
 - d. CHARGE OR DISCHARGE TO PROPER AIR PRESSURE.
 - e. TIGHTEN 3/4 HEX SWIVEL NUT TO 50-70 INCH-POUNDS TORQUE. TURN CLOCKWISE TO TIGHTEN.
 - f. REMOVE GAGE ASSEMBLY FROM VALVE AND REPLACE AND TIGHTEN DUST CAP MS20813-1 TO EXTREME FINGER TIGHTNESS.

B. WITHOUT USING GAGE ASSEMBLY:

1. TO CHARGE UNIT WITH AIR:
 - a. REMOVE DUST CAP MS20813-1.
 - b. ATTACH AIR FILLING CHUCK FROM BOOSTER PUMP, AIR BOTTLE, ETC., TO VALVE STEM THREADS.
 - c. LOOSEN 3/4 HEX SWIVEL NUT TO BETWEEN ONE AND TWO TURNS. TURN COUNTERCLOCKWISE TO LOOSEN.
 - d. CHARGE TO PROPER AIR PRESSURE.
 - e. TIGHTEN 3/4 HEX SWIVEL NUT TO 50-70 INCH-POUNDS TORQUE, TURN CLOCKWISE TO TIGHTEN.
 - f. REMOVE AIR FILLING CHUCK FROM VALVE AND REPLACE AND TIGHTEN DUST CAP MS20813-1 TO EXTREME FINGER TIGHTNESS.
2. TO DISCHARGE AIR FROM UNIT:
 - a. REMOVE DUST CAP MS20813-1.
 - b. LOOSEN 3/4 SWIVEL NUT TO SUIT REQUIRED DISCHARGE. IF ONLY A SMALL AMOUNT OF AIR IS TO BE DISCHARGED, LOOSEN 3/4 HEX SWIVEL NUT SLIGHTLY. RETIGHTEN SWIVEL NUT AS IN "1. - e." AND REPLACE AND TIGHTEN DUST CAP MS20813-1 TO EXTREME FINGER TIGHTNESS.

Reviewers:
Army - MS
Navy - AJ
USAF - 11.

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P.A. USAF - 82 Other Cust USAF - 99 Army - MS Navy - 43	TITLE BOSS AND INSTALLATIONS - AIR CONNECTION	MILITARY STANDARD MS33651
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 2 OF 2