



DASH NO.			H TUBING OD	A MAX DIA	B	C MIN	RATED FLOW GPM MIN	(a)	
(b) RATED FLOW PRESSURE SETTING RANGE, PSI								D	
100-1000	1000-2300	2300-3850							
-YZ4	-AB4	-CD4	1/4	1.000	4.875	.438	2.5	.688	+.002 -.011
-YZ6	-AB6	-CD6	3/8	1.188	5.000	.500	7.0	.813	+.002 -.012
-YZ8	-AB8	-CD8	1/2	1.375	6.500	.625	12.0	1.000	+.002 -.015
-YZ12	-AB12	-CD12	3/4	1.625	8.000	.750	32.0	1.375	+.002 -.012

- (a) HOLDING SURFACES AT WIDTH D MAY BE OPTIONALLY WRENCH FLATS OR HEX. ANGULAR POSITION IS OPTIONAL.
- (b) PRESSURE VALUES REFER TO DIFFERENTIAL PRESSURE BETWEEN VALVE PORTS WITH 200 ± 25 PSI BACK PRESSURE AT RETURN PORT. (CLASS AB AND CD VALVES ONLY).

FOR CONTRACTOR'S PROCUREMENT ONLY, THE VALVE SETTING PRESSURE AS A CODE NUMBER IN PSI, MAY BE IMPRESSED ON A LEAD SEAL, OR EQUIVALENT, ATTACHED TO THE LOCKWIRE OF THE UNIT, IN ORDER TO INDICATE A SPECIFIED PRESSURE SETTING. RELIEF VALVE NAMEPLATE AND APPLICABLE GOVERNMENT RECORDS SUCH AS PARTS CATALOGS, SPARES, DOCUMENTS, ETC. SHALL NOT CONTAIN THIS CODED NUMBER INDICATING PRESSURE SETTING. THE SERVICES SHALL NOT PROCURE OR STOCK VALVES ADJUSTED TO ANY SPECIFIC PRESSURE SETTING; NOTATIONS ON AIRPLANE CONTRACTOR'S ASSEMBLY AND INSTALLATION DRAWINGS SHALL CONTAIN THE PROPER MS PART NUMBER, AS SHOWN IN ABOVE TABLE, FOLLOWED BY THE PRESSURE SETTING PARENTHETICALLY LISTED.

EXAMPLE OF PART NO. FOR GOVERNMENT USE:
MS28887-CD6 = VALVE FOR PRESSURE RANGE 2300 TO 3850 PSI. 3/8 OD TUBING.

EXAMPLE OF PART NO. PLUS CODED PRESSURE SETTING FOR CONTRACTOR'S DRAWINGS:
MS28887-CD6(3400) = VALVE FOR PRESSURE RANGE 2300 TO 3850 PSI, 3/8 OD TUBING. RATED FLOW PRESSURE SETTING 3400 PSI.

VALVES ADJUSTABLE TO THE RANGE OF MORE THAN ONE CLASS SHALL CARRY THE DESIGNATION OF THE LOWEST AND HIGHEST CLASS IN THE PART NO.: FOR EXAMPLE, A VALVE ADJUSTABLE FROM 1000 TO 3850 PSI FOR 3/8 TUBING WOULD BE MS28887-AD6.

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCES: DECIMALS ± .031.

FOR INSTALLATION, CLEARANCE SHALL BE ALLOWED FOR THE MAXIMUM OVER-ALL DIMENSIONS SHOWN ON THE DRAWINGS.

VALVES SHALL BE CAPABLE OF REVERSE FLOW AT THE SPECIFIED RATED FLOW IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

- (D) GOVERNMENT PROCURED AND INDIRECT SHIPMENT SUCH AS SPARE VALVES SHALL BE TAGGED IN ACCORDANCE WITH PARAGRAPH 3.12.1 OF PROCUREMENT SPECIFICATION.

- (D) INTERCHANGEABILITY: (MS28887 and MS28893 ARE NOT FUNCTIONALLY AND DIMENSIONALLY INTERCHANGEABLE).

- (D) FOR NEW DESIGN, PORTS SHALL BE IN ACCORDANCE WITH MS33649.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

This standard has been approved by the Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 JAN 54 REVISED (A) 23 MAR 55 (B) 18 MAR 60 (C) 28 OCT 68 (D) 10 APR 73

P.A. AIR FORCE - 71	TITLE VALVE, RELIEF, CYLINDRICAL, TYPE II SYSTEM	MILITARY STANDARD
Other Cust		MS 28887 (USAF)
PROCUREMENT SPECIFICATION MIL-V-5523	SUPERSEDES:	SHEET 1 OF 1