

User activities:

Review activities:

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

															FED. SUP CLASS 4820	
DASH NO.	A DIA.	B MAX. DIA.	C MAX. RAD.	D	D/2	E	F	H (REP)	J MAX	K MAX	L MAX	M DIA	N MIN RAD	R MAX	RATED FLOW GPM	TUBING SIZE IN.
-12A	.561	.933	.767	.860	.4300	.440		.550	1.086	.182	.282				15	.75
-16	.792	1.183	.916	1.110	.5550	.525		.806	1.337	.198	.335				30	1.
-20	1.024	1.527	1.097	1.248	.6240	.710		.940	1.704	.226	.373				50	1.25
-24	1.248	1.777	1.200	1.240	.6200	.845	.304	.930	1.968	.236	.382	.1495	.152	.156	70	1.50
-28	1.483	2.090	1.350			1.025		.930	2.324	.249	.395				100	1.75
-32	1.719	2.277	1.451	1.382	.6910	1.100		1.078	2.511	.267	.470				130	2.
-40	2.203	2.809	1.809	1.406	.7030	1.500		1.102	3.160	.287	.500			.219	215	2.50
-48	2.703	3.309	2.046	1.656	.8280	1.703		1.352	3.735	.307	.531				320	3.3
-56	3.213	3.996	2.395	2.093	1.0470	1.984		1.789	4.215	.327	.563				450	3.50
-64	3.711	4.496	2.667	2.313	1.1560	2.234		2.009	4.715	.347	.594				600	4.
<p>(F) Material: See procurement specifications Color identification per MIL-F-8615 The valves, when mounted on MS33535 pad and discharging into an open tank, shall achieve the following performance:</p> <ol style="list-style-type: none"> <li>Opening and closing pressure per MIL-V-7899</li> <li>Pressure drop at rated flow shall be less than 45 inches water.</li> <li>Leakage: -32 and smaller - 0.5 cc per minute (max) larger sizes - 1.0 cc per minute (max)</li> </ol> <p>Assembly date mark per MIL-STD-1523 Dimensions in inches. Tolerances: .XXX +.005 .XXXX ±.0025</p>																
<p>(F) 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.</p>																
<p>(F) DENOTES CHANGE</p>																
P.A. AIR FORCE - 82		TITLE										MILITARY STANDARD				
Other Cust		DISK, VALVE										MS29521				
ARMY - AV NAVY - AS AIR FORCE - 99												SHEET 1 OF 1				
PROCUREMENT SPECIFICATION		SUPERSEDES:														
MIL-V-7899																