

Pressure stage table

Temperature-dependent pressure stage table of the DILO high pressure tube unions

Materials			
Material number acc. to DIN	Material specification	AISI material specification	DILO material-code letter
1.0460	P250GH	1022M	A
1.4571	X6CrNiMoTi17-12-2	316Ti	C
1.7335	13CrMo4-5	A 182	D
1.4922	X20CrMoV11-1	---	Q

series type	nominal pressure (bar)	DILO material code letter	all types	Nominal pressure up to temperature (°C)	Admissible operating pressure in bar at operating temperature (°C)									
					20	100	150	200	250	300	350	400	450	500
M 1	100	A	X	260	100	100	100	100	100	90	78	-	-	-
M 1	100	C	X	400	100	100	100	100	100	100	100	100	-	-
M 1	100	D	X	490	100	100	100	100	100	100	100	100	100	86
M 1	100	Q		20	100	93	90	86	82	78	74	71	62	52
MH 1	100	D	X	500	100	100	100	100	100	100	100	100	100	100
MH 1	100	Q		500	100	100	100	100	100	100	100	100	100	100
J 1	100	A	X	330	100	100	100	100	100	100	95	-	-	-
J 1	100	C	X	400	100	100	100	100	100	100	100	100	-	-
J 1	100	D	X	400	100	100	100	100	100	100	100	100	-	-
J 1	100	Q		20	100	93	90	86	82	78	74	71	62	52
JH 1	100	D	X	500	-	100	100	100	100	100	100	100	100	100
JH 1	100	Q		500	100	100	100	100	100	100	100	100	100	100
M 2	200	A	X	180	200	200	200	190	170	150	130	-	-	-
M 2	200	C	X	200	200	200	200	200	193	185	178	171	-	-
M 2	200	D	X	350	200	200	200	200	200	200	200	190	167	145
M 2	200	Q		20	200	188	180	173	165	158	151	144	124	105
J 2	250	A	X	140	250	250	235	220	195	170	150	-	-	-
J 2	250	C	X	140	250	250	246	226	215	207	198	190	-	-
J 2	250	D	X	300	250	250	250	250	250	250	230	220	192	165
J 2	250	Q		20	250	188	180	173	165	158	151	144	124	105
M 3	320	A	X	150	320	320	320	285	255	225	195	-	-	-
M 3	320	C	X	145	320	320	317	295	284	274	262	252	-	-
M 3	320	D	X	300	320	320	320	320	320	320	295	280	248	215
M 3	320	Q		220	320	320	320	320	310	295	281	268	230	195
J 3	320	A	X	165	320	320	320	295	262	230	200	-	-	-
J 3	320	C	X	170	320	320	320	302	292	282	271	261	-	-
J 3	320	D	X	20	320	320	320	320	320	320	305	290	255	220
J 3	320	Q		220	-	-	-	320	310	295	281	268	230	195

M 6	640	A	X	150	640	640	640	570	507	445	385	-	-	-
M 6	640	C	X	140	640	640	632	590	565	540	520	500	-	-
M 6	640	D	X	300	640	640	640	640	640	640	590	560	492	425
M 6	640	Q		415	640	640	640	640	640	640	640	640	545	450
M 10	1000	A	X	80	1000	990	890	790	705	620	540	-	-	-
M 10	1000	C	X	55	1000	940	880	820	780	742	721	700	-	-
M 10	1000	D	X	200	1000	1000	1000	1000	945	890	820	780	748	715
M 10	1000	Q		460	1000	1000	1000	1000	1000	1000	1000	1000	1000	875