SPECIFICATIONS

Internal Trim Materials ..... Stainless Steel & Bronze
Standard Seal Materials ..... Buna N
Max. Pressure Drop Across Valve ..... 20 psi (140 kPa)
Valve Pressure Rating:
- Cast Iron Body ..... 150 psi (134 kPa)
- Bronze Body ..... 150 psi (134 kPa)
- Aluminum Body ..... 350 psi (2412 kPa)
- Steel Body, CMS, CLS ..... 700 psi (4823 kPa)
- CFSJ ..... 230 psi (1585 kPa)
- CFSH ..... 655 psi (4512 kPa)
- CFSK ..... 1050 psi (7234 kPa)

Weight ..... See Selection / Dimensions

For long life, standard AMOT C valves should not be exposed to continuous temperatures exceeding 65°F above the nominal temperature setting. For occasional short periods such as 1/2 hour, they can be exposed to temperature of 90°F above the nominal temperature setting, but not to exceeded 250°F. Contact factory for special requirements.

AVAILABLE VERSIONS TABLE

Cast Iron	Bronze	Alum.	Steel	Stainless Steel
Threaded	Threaded	Threaded	Threaded	Special Order Only
1/2 CM/CL	1/2 CM/CL	3/4 CM/CCL	3/4 CM/CL	
3/4 CM/CL	3/4 CM/CL	1 CM/CL	1 CM/CL	
1 CM/CL	1 CM/CL	Flanged	Flanged	
1-1/4 CCM	1-1/2 CM/CL	None	1-1/2 CFSJ	
1-1/2 CM/CL	Flanged		1-1/2 CFSH	
Flanged	None		1-1/2 CFSK	
1-1/2 CFCF				

HOW TO ORDER

Use Select Chart and Version Table to make basic selection. When ordering please specify the following:

1. Pipe Sizes connections (see Table A of Model Code System below).
2. Indicate Model CM, CCM, CL or CF (see Table B).
3. Housing Material (see Table C).
4. Type of Connection (see Table D).
5. Nominal Temperature Setting (see Table E).
6. Element Type and Seal Material (see Table F).
7. Element Leak Hole, if required (see Table G).

SELECTION TABLE

All Flow Rates in US GPM

	Water or Water/Glycol		Lubricating Oil (at 100°F)					
			SAE 10-20 SSU 170-550		SAE 30 SSU 550-800		SAE 40 SSU 800-1100	
Model No.	Flow Rate Min.	Max.	Flow Rate Min.	Max.	Flow Rate Min.	Max.	Flow Rate Min.	Max.
1/2 CL	6	10	5	9	4	8	4	8
1/2 CM	9	18	8	16	8	14	7	14
3/4 CL	7	11	6	11	6	10	5	10
3/4 CM	13	25	11	21	10	20	10	19
1 CL	7	11	6	11	6	10	5	10
1 CM	14	27	11	21	10	20	10	19
1-1/4 CCM	28	54	24	46	23	42	22	41
1-1/2 CL	8	12	7	13	7	12	6	12
1-1/2 CM	17	32	13	24	12	23	12	22
1-1/2 CF	17	32	13	24	12	23	12	22

MODEL CODE SYSTEM

3/4 CM A T 120 01 - _ - ( )

Special Requirements (MTO) Made-To-Order

TABLE A — Valve Size

1/2"
3/4"
1"
1-1/4"
1-1/2"

TABLE B — Model Type

CM
CCM
*CL
CF

TABLE C — Housing Material

Code No.	Material
A	Aluminum
B	Bronze
C	Cast Iron
S	Steel
R	Stainless Steel

TABLE D* * — Thread Type

Code No.	Thread Type
T	NPT (Std)
U	BSP (PL)
V	BSP (TR) JIS
W	SAE O-Ring Seal
F	125# ANSI F.F. Flange
J	150# ANSI R.F. Flange
H	300# ANSI R.F. Flange
K	600# ANSI R.F. Flange
M	Socket Weld

TABLE E — Nominal Temperature Setting

°F	(°C)
65	(18)
75	(24)
85	(29)
95	(35)
100	(38)
110	(43)
120	(49)
130	(54)
140	(60)
150	(66)
160	(71)
170	(77)
175	(79)
180	(82)
190	(88)
200	(93)
205	(96)
215	(102)
225	(107)
235	(113)

TABLE F* — Element Type & Seal Material

Code No.	Element Type	Seal Material
01	1125X (Temp) Standard Element	Buna N
*01	10765X (Temp) CL Only	Buna N
06	1125X (Temp)	Viton
*06	10765X (Temp) CL Only	Viton
02	1125P (Temp) Nickel Plated	Viton
82	9778C (Temp) Electroless Nickel Plated	Neoprene
*82	10765K (Temp) Electroless Nickel Plated CL Only	Neoprene
99	3362U (Temp)	Neoprene

TABLE G — Element Leak Hole

Code No.	Leak Hole Diameter
None	(STD)
B	1/32"
C	1/16"
D	3/32"
F	1/8"
G	1/4"
H	3/16"

Indicates Non-Standard Product

* Model CL uses a unique element assembly.