

BRUNO PRESEZZI S.P.A.		SUPPLY SPECIFICATION		
Description: Thermostatic valves - AMOT			BP-01171	
		<i>Prepared</i>		<i>Approved</i>
Rev. 0	Date 05.12.2019	CHM		SCHM
REVISIONS				
#	DATE	Iss'd	App'd	Description
0	05.12.2019	CHM	CHM	issued

SPECIFICATIONS

Internal Trim Materials Bronze and Stainless Steel
 Standard Seal Material Buna N
 Max. Pressure Drop Across Valve 20 psi (1.4 Bar)
 Valve Pressure Ratings at 250°F
 Cast Iron, Ductile Iron, Bronze 150 psi (10 Bar)
 Cast Iron, Model BH 340 psi (23 Bar)
 Steel, Class 150, 245 psi (17 Bar)
 Steel, Class 300, 665 psi (46 Bar)
 Stainless Steel Class 150, 228 psi (15 Bar)
 Stainless Steel Class 300, 590 psi (41 Bar)

Shipping Weights:	Cast		Ductile	
	Iron	Iron	Bronze	Steel
1-1/2BO/2BO	25	--	--	--
1-1/2BH/2BH	32	--	--	--
1-1/2BM	--	--	25	--
2BC, BM	30	30	35	45
2BF	35	35	40	--
2-1/2B	55	55	75	75
3B	60	60	80	80
4B	135	135	150	--
5B	200	200	240	--
6B	270	270	300	--

HOW TO ORDER

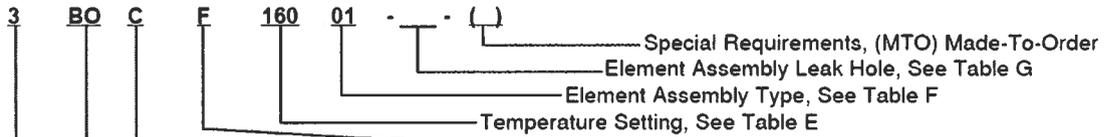
(Refer to Model Code System Below.)

When ordering please specify the following:

1. Valve size connection (see Table A).
2. Valve Type (see Table B).
3. Housing material (see Table C).
4. Type of End Connection (see Table D).
5. Nominal temperature setting (see Table E).
6. Any of the following special features if required:
 - a) Viton or neoprene seals (instead of Buna N).
 - b) Electroless Nickel plated temperature element assembly.
 - c) Element leak hole (see Table G).
 - d) Reduced stroke element assembly for high over-temperature.

This product may be ordered using the full description as shown above or by constructing a Model No. using the Model Code System below. For special requirements, contact the AMOT factory or your local representative.

MODEL CODE SYSTEM



1-1/2 (40)
2 (50)
2-1/2 (65)
3 (80)
4 (100)
5 (125)
6 (150)
8 (200)

BO Standard
BM Manual Override
BC Tee config, Flanged
1-1/2, 2" only
BF Flanged, 2" only
BH 1-1/2, 2" only
BR Manual override (UK)

C Cast Iron
S Steel
B Bronze
D Ductile Iron
R Stainless Steel

F ANSI B16.1 Class 125 FF Flange
J ANSI B16.5 Class 150 RF Flange
H ANSI B16.34 Class 300 RF Flange
A ND6 (Metric) Flange
B ND10 (Metric) Flange
C ND16 (Metric) Flange
N Navy Flange
P JIS 5K FF Flange
T NPT Threaded
V BSP-TR / JIS Threaded
W SAE Threaded (straight thread, O-ring seal)

No.	°F	(°C)
*055	55	(13)
075	75	(24)
090	90	(32)
095	95	(35)
100	100	(38)
105	105	(41)
110	110	(43)
115	115	(46)
120	120	(49)
*130	130	(54)
135	135	(57)
140	140	(60)
145	145	(63)
*150	150	(66)
155	155	(69)

No.	°F	(°C)
160	160	(71)
165	165	(74)
170	170	(77)
175	175	(79)
180	180	(83)
185	185	(85)
195	195	(91)
205	205	(96)
215	215	(102)
225	225	(107)
230	230	(110)
235	235	(113)
240	240	(116)

Temperatures apply only to 1096 and 2433 Element Assemblies

01 1096X Standard
02 1096P Plated with Viton
03 1096X with Viton seals
07 2433X Manual Override
11 5566X Reduced stroke
05 6836S Saltwater
44 1096X with Neoprene
45 1096P with Neoprene
20 5566X with Viton
12 5566P Plated
53 2433X with Viton
50 6836K Electroless Nickel with Neoprene

No.	Inches	(mm)
none (standard)		
A 1/2" (12.5)		
B 1/4" (6.4)		
C 3/8" (9.5)		
D 1/8" (3.2)		
E 1/16" (1.6)		
F 3/32" (2.4)		
G 3/16" (4.8)		
H 5/16" (7.9)		

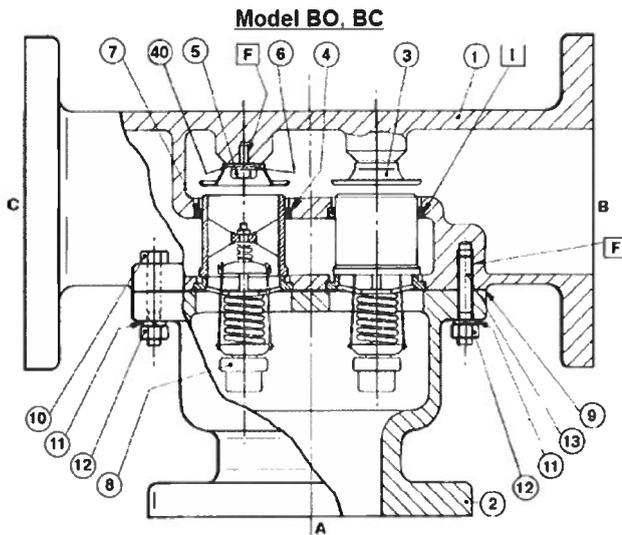
* = Also avail. as reduced stroke. Contact factory for other temps.
 [Shaded Box] Indicates Non-Standard, MTO

ITEM 1: vendor's code 5BODF12001-00-AHR

- 5: DN125
- BO: Valve Type Standard
- D: Ductile Iron
- F: Ports ANSI 16.5 RF Flanges 150lbs
- 120: Temperature setting 49°C (120 °F)
Normal temperature range 43-54°C
Peak temperature 66°C
- 01: Standard element 1096X
- 00: No leak hole

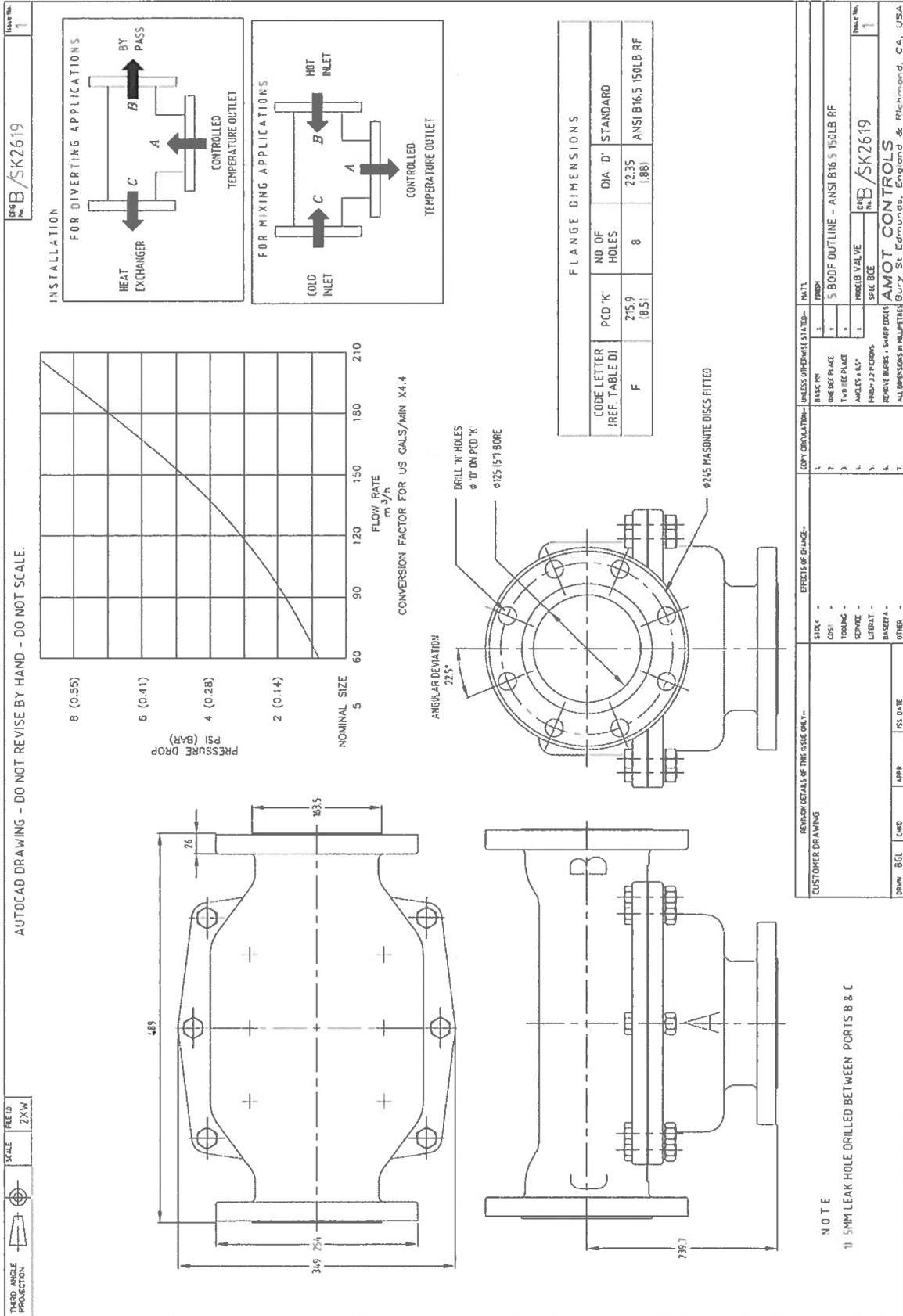
Seal Material: **Buna-N**
 Valve Pressure Rating: **10 bar max**
 Number of elements: **6**

Spare parts



Ref No.	Part No.	Description
3	9585L001	Seat, Bolted-In (Except BM)
3	9585L002	Seat (BM only)
4	1182	Sleeve
5	11132L050	Capscrew
6	11133	Lockwasher
7	1183	Element O-ring, Buna N (Standard)
7	1183L002	Element O-ring Seal, Viton
8	1096X(temp)	Element Assembly (Standard)
8	1096P(temp)	Element Assembly, plated
8	2433X(temp)	Element Assembly, manual override
9	761	O-ring 1-1/2 – 3B, Buna N
9	761L001	O-ring 1-1/2 – 3B, Viton
9	1094	Gasket 2-1/2 B, 3B, (Old Versions)
9	1123	Gasket 4B
9	1117	Gasket 5B
9	1149	Gasket 6B
17	358	O-ring, Buna N (BM only)
17	358L001	O-ring, Viton (BM only)

- ITEM 1.1 Thermostatic element 1096X Pos.8
- ITEM 1.2 Service Kit seals Buna-N composed by
 Pos.7 – code 1183
 Pos.9 – code 1117

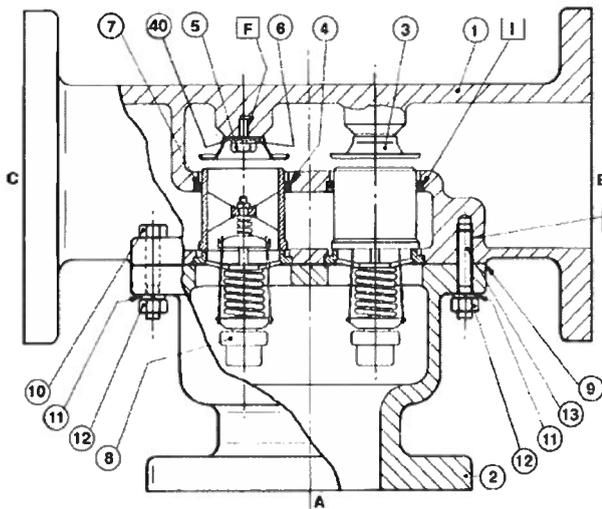


ITEM 2: vendor's code **6BRCC11507-00-AZA**

- 6:** DN150
BR: Valve Type manual Override (UK)
C: Cast Iron
C: Ports metric (to match DIN2633 flanges) PN16
115: Temperature setting **46°C** (115 °F)
 Normal temperature range **40-50°C**
 Peak temperature **61°C**
07: Manual override element 2433X
00: No leak hole

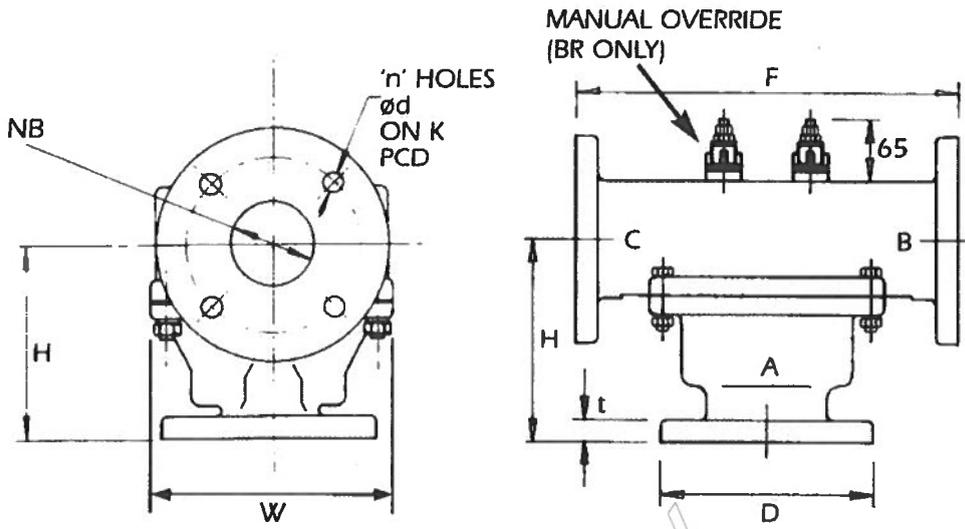
Seal Material: **Buna-N**
 Valve Pressure Rating: **PN16**
 Number of elements: **9**

Spare parts



Ref No.	Part No.	Description
3	9585L001	Seat, Bolted-In (Except BM)
3	9585L002	Seat (BM only)
4	1182	Sleeve
5	11132L050	Capscrew
6	11133	Lockwasher
7	1183	Element O-ring, Buna N (Standard)
7	1183L002	Element O-ring Seal, Viton
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17	358	O-ring, Buna N (BM only)
17	358L001	O-ring, Viton (BM only)

- ITEM 2.1** Thermostatic element 2433X Pos.8
ITEM 2.2 Service Kit seals Buna-N composed by
 Pos.7 – code 1183
 Pos.9 – code 1149



NB	F	H	D	W	t	$\varnothing k$	$\varnothing d$	n
150	489	254	285	483	26	240	23	8

PRELIMINARY