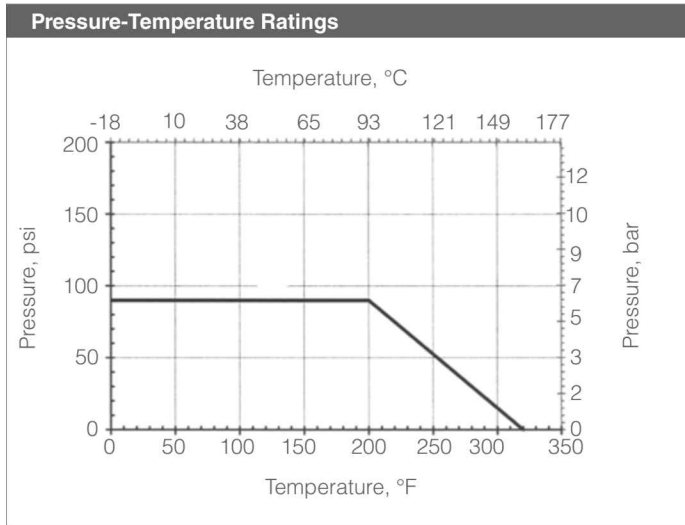



3T-3100F-300-BR Series Multi-Port Valve
3L-3200F-300-BR Series Multi-Port Valve

Quick Spec	
Product Scope	
Size Range	3", Full Port, NPT Ends
Port Type	L-Port or T-Port
Port Orientation	Bottom Entry
Pressure Rating	87 psi CWP (6 bar)
Max Temperature	344°F (173°C)
Body	Brass, Hot Forged, Ni Plated
Ball & Stem	Brass, Chrome Plated
Ball Seats	PTFE
Stem Seals	Buna-N O-Ring
Stem Bearing	PTFE
Operator	Manual Lever, Non-Locking
Design Standards	
Threaded End Design	ANSI B1.20.1
Testing Standards	
Pressure Testing	100% @ 80 psi in open & closed position

Features

- High integrity hot forged brass body
- Blow-out proof stem
- PTFE seats
- O-ring stem seals
- 100% tested
- Locking Lever Operator



Seat Tightness Note: If closed port pressure exceeds open port pressure, the ball may be forced slightly off the seat, which would allow mixing from all ports. Occurrence may vary depending upon flow and ambient conditions.

Technical Specifications				
Valve Size	Operating Torque, in-lb		Flow Coefficient, Cv	
Inches	3T3100	3L3200	3T3100	3L3200
3"	974	974	170	206

Materials of Construction	
Part	Material Specification
Body	*Brass CuZn40Pb2, Ni. Plated
End Cap	*Brass CuZn40Pb2, Ni. Plated
Ball	*Brass CuZn40Pb2, Chr. Plated
Stem	*Brass CuZn40Pb2, Chr. Plated
Gland	*Brass CuZn39Pb3, Ni. Plated
Seats	PTFE
Thrust Washer	PTFE
Packing	PTFE
FNPT Adapters	ASTM B-16 Temper H02
Nut, Gland	Steel, Plated
Handle	Steel, Plated
Nut Handle	Steel, Plated

* UNI EN 12165 CW617N (58Cu-40Zn-2Pb) equivalent to Hot Forging Brass UN C37700 (60Cu-39Zn-2Pb)

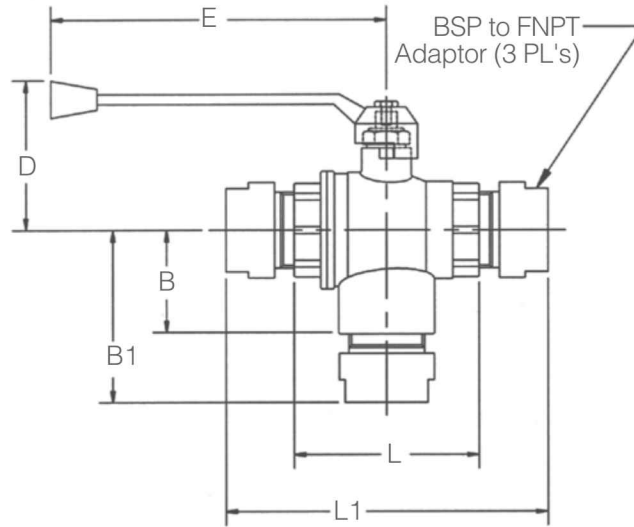
** UNI EN 12164 CW614N (58Cu-39Zn-3Pb) equivalent to Architectural Brass bar UNS C38500 (57Cu-40Zn-3Pb)

3T3100 Series Port Arrangement			
Position Flow Pattern	A	B	C
BT			
	0°	90°	180°

3L3200 Series Port Arrangement			
Position Flow Pattern	A	B	C
BL			
	0°	90°	180°

For automation, specify 2-position or 3-position 180° actuators

Technical Specifications, metric				
Valve Size	Operating Torque, N-m		Flow Coefficient, Kv	
NPS	3T3100	3L3200	3T3100	3L3200
DN80	110	110	146	178



ART1011

Dimensions, Inches										
Valve Size	3T3100/3L3200 Series									
Inches	A Port	L Va. Length	L1* Overall L	B Va C/L Bot	B1* Overall Bot	D C/L Handle	E Handle	Wt (lbs) Valve	Wt1* (lbs) Valve & Adapter	
3**	3.15	7.76	12.77	4.17	6.68	6.0	10.2	19.9	31.9	

Dimensions, mm										
Valve Size	3T3100/3L3200 Series									
NPS	A Port	L Va. Length	L1* Overall L	B Va C/L Bot	B1* Overall Bot	D C/L Handle	E Handle	Wt (kgs) Valve	Wt1* (kgs) Valve & Adapter	
DN80*	80,0	197,0	324,4	106,0	169,7	152	260	9,0	14,5	

* Dimensions L1, B1 and WT1 include DIN x NPT adaptors

** Valve does not have integral mounting 5211 pad – a clamp on pad is used for automation

Model	Size	Body Mat'l	1	2	3	4	5	6	7	8	9	10	11	12

Model Number	
3T-3100F	3 Way Bottom Entry - T-Port Ball Valve
3T-3200F	3 Way Bottom Entry - L-Port Ball Valve

Size	
300	3"

Body Material	
BR	Brass

Body Material	
BR	Brass

1&2	End Connections
AA	FNPT

3&4	Operation
HL	Handle
NN	None

5,6,7,8,9,10	Pneumatic Actuator
NN0000	None

11&12	Start Position
TA	3-way BT3A
TB	3-way BT3B
TC	3-way BT3C
LA	3-way BL1A
LB	3-way BL1B
LC	3-way BL1C

Marwin Valve

A Division of Richards Industries, 3170 Wasson Road, Cincinnati, OH 45209

toll free. 800.543.7311, local. 513.533.5600, fax. 513.871.0105

www.marwinvalve.com