

**F
01**

G.M. Gun Metal
S.S. Stainless Steel
M.B. Manganese Bronze

C.I. Cast Iron
C.S. Cast Steel

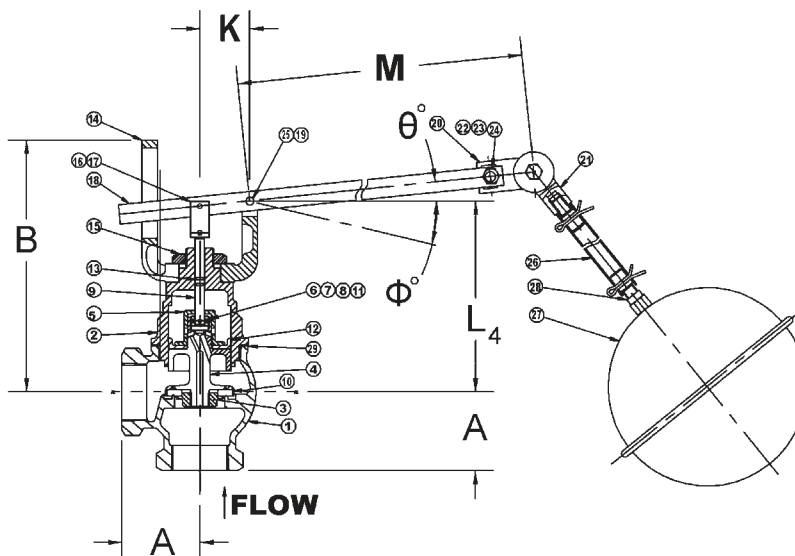
INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS

BALL FLOAT VALVES ANGLE PATTERN	End Connections	Body & Bonnet	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Spindle	Rating		
								Working pressure	Max Temp	Working pressure at max temp.
								kPa psi	°C °F	kPa psi
9108 STAINLESS STEEL	Screwed B.S.P.T Female	SS	✓		Integral	PTFE	SS	1720 250	200 392	1720 250
9148 GUN METAL	Screwed B.S.P.T Female	GM	✓		Integral	Neoprene	SS	1720 250	93 200	1720 250

SIZE (MM)	20	25	32	40	50
DIMENSIONS (MM)					
A	45	51	64	64	79
B	146	154	221	221	256
K	33	33	38	38	51
L ₄	98	116	175	175	195
M	300	300	324	324	324
θ ° Shut	1	2	6	6	6
Φ ° Open	8	15	12	12	15
Float Ø	229	229	229	229	229

Angle pattern, balanced type, screwed bonnet, integral seat, 1 metre connecting link and ball. Ends screwed B.S.P.T Female.

9148 - Spindles for 40 and 50mm are AB Brass



PARTS LIST.

- | | |
|----------------------|---------------------|
| 1. Body | 17. Link |
| 2. Bonnet | 18. Lever |
| 3. Disc Nut | 19. Pin |
| 4. Disc Holder | 20. Adjusting Clamp |
| 5. Cup Locknut | 21. Clamp |
| 6. Disc Retainer | 22. Bolt |
| 7. Pilot Valve | 23. Nut |
| 8. Pin | 24. Washer |
| 9. Spindle | 25. Pin |
| 10. Disc | 26. Arm |
| 11. Pilot Valve Disc | 27. Float |
| 12. Cup Washer | |
| 13. O-Ring | |
| 14. Yoke | |
| 15. Locknut | |
| 16. Pin | |

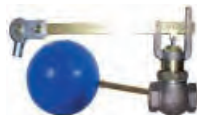
BALL FLOAT VALVES

G.M. Gun Metal
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02

INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS

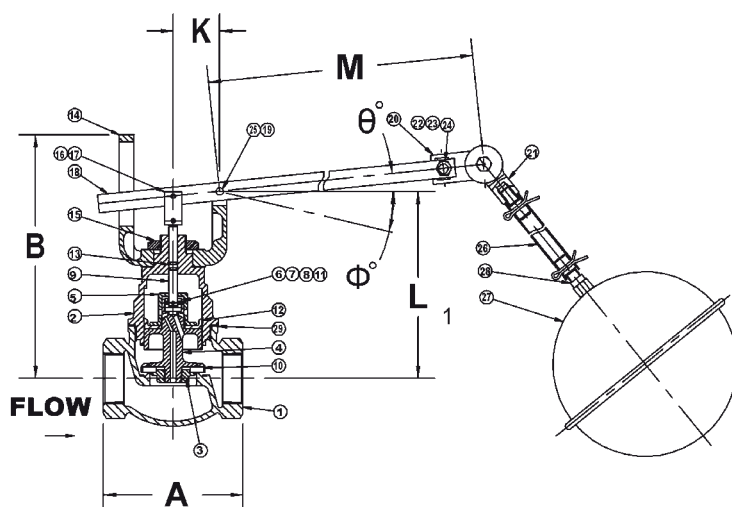


BALL FLOAT VALVES STRAIGHT PATTERN	End Connections	Body & Bonnet	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Spindle	Liner	Rating		
									Working pressure	Max Temp	Working pressure at max temp.
									kPa psi	°C °F	kPa psi
9138 GUN METAL	Screwed B.S.P.T Female	GM	✓		Integral	Neoprene	SS	GM	1720 250	93 200	1720 250
9198 STAINLESS STEEL	Screwed B.S.P.T Female	SS	✓		Integral	PTFE	SS	SS	1720 250	200 392	1720 250

SIZE (MM)	15	20	25	32	40	50
DIMENSIONS (MM)						
A	70	86	98	127	127	152
B	148	141	160	224	224	267
K	33	33	33	38	38	51
L ₁	110	103	121	178	178	205
M	300	300	300	324	324	324
θ ° Shut	2	1	2	6	6	6
Φ ° Open	10	8	15	12	12	15
Float Ø	229	229	229	229	229	229

Straight pattern, balanced type, screwed bonnet, integral seat, complete with one metre connecting link. Ends screwed B.S.P.T Female.

9138 - Spindles for 40 and 50mm are AB Brass



PARTS LIST.

- | | |
|----------------------|---------------------|
| 1. Body | 17. Link |
| 2. Bonnet/Liner | 18. Lever |
| 3. Disc Nut | 19. Pin |
| 4. Disc Holder | 20. Adjusting Clamp |
| 5. Cup Locknut | 21. Clamp |
| 6. Disc Retainer | 22. Bolt |
| 7. Pilot Valve | 23. Nut |
| 8. Pin | 24. Washer |
| 9. Spindle | 25. Pin |
| 10. Disc | 26. Arm |
| 11. Pilot Valve Disc | 27. Float |
| 12. Cup Washer | |
| 13. O-Ring | |
| 14. Yoke | |
| 15. Locknut | |
| 16. Pin | |

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03**

G.M. Gun Metal
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C.I. Cast Iron
C.S. Cast Steel

INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS



BALL FLOAT VALVE STRAIGHT PATTERN	End Connections	Body & Cover	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Spindle	Liner	Rating		
									Working pressure	Max Temp	Working pressure at max temp.
									kPa psi	°C °F	kPa psi
9130 GUN METAL	B.S.T. E	GM	25-65mm	80-300mm	GM	Neoprene	AB	GM	1400 203	93 200	1400 203
9131A GUN METAL	ANSI 150	GM	25-65mm	80-300mm	GM	Neoprene	AB	GM	1551 224	93 200	1551 224
9132 GUN METAL	B.S.T. H	GM	25-65mm	80-300mm	GM	Neoprene	AB	GM	1720 250	93 200	1720 250
9171A CAST STEEL	ANSI 150	CS	25-65mm	80-300mm	GM	Neoprene	SS	GM	1960 285	93 200	1960 285

SIZE (MM)	25	32	40	50	65	80	100	125	150	200
DIMENSIONS (MM)										
A	127	152	152	178	229	257	324	410	483	584
B	160	225	225	267	275	341	375	454	510	540
K	33	38	38	51	51	57	57	89	89	89
L ₁	122	179	179	205	213	281	314	368	424	454
M	300	324	324	324	324	352	352	613	613	613
θ° Shut	3	6	6	6	3	3	9.5	8	7	9
Φ° Open	15	12	12	15	21	11	18	19	20	20
Float Ø	229	229	229	229	250	250	250	250	250	250

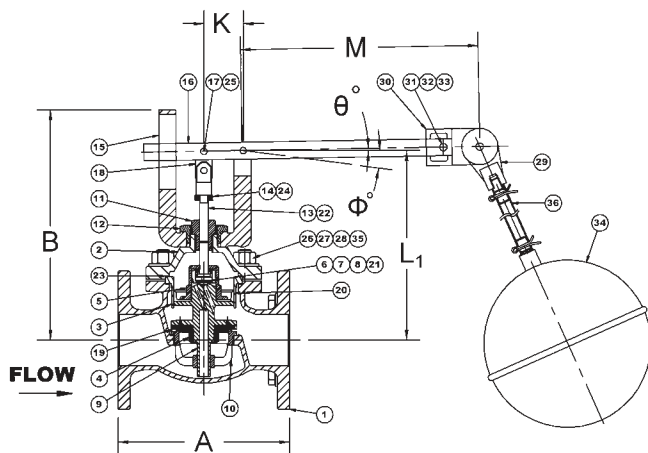
Size 25mm – 50mm: screwed bonnet, integral seat, bronze piston fitted with neoprene tulip cup, complete with one metre connecting link and ball.

Size 65mm – 200mm: Bolted bonnet, bronze seat, bronze piston fitted with neoprene tulip cup, complete with one metre connecting link and ball, removable liner.

Size 300mm: bolted bonnet, bronze seat, bronze piston fitted with leather cup washer, complete with one metre connecting link and ball.

PARTS LIST.

- | | |
|--------------------|---------------------|
| 1. Body | 19. Disc |
| 2. Cover | 20. Cupwasher |
| 3. Liner | 21. Disc |
| 4. Disc Nut | 22. O-Ring |
| 5. Cup Locknut | 23. Gasket |
| 6. Retaining Screw | 24. Locknut |
| 7. Nut | 25. Split Pin |
| 8. Washer | 26. Stud |
| 9. Valve | 27. Nut |
| 10. Seat | 28. Washer |
| 11. Gland Nut | 29. Adjusting Clamp |
| 12. Locknut | 30. Adjusting Clamp |
| 13. Spindle | 31. Bolt |
| 14. Coupling | 32. Nut |
| 15. Yoke | 33. Washer |
| 16. Lever | 34. Float |
| 17. Pin | 35. |
| 18. Link | 36. Arm |



BALL FLOAT VALVES

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C.S. Cast Steel

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04

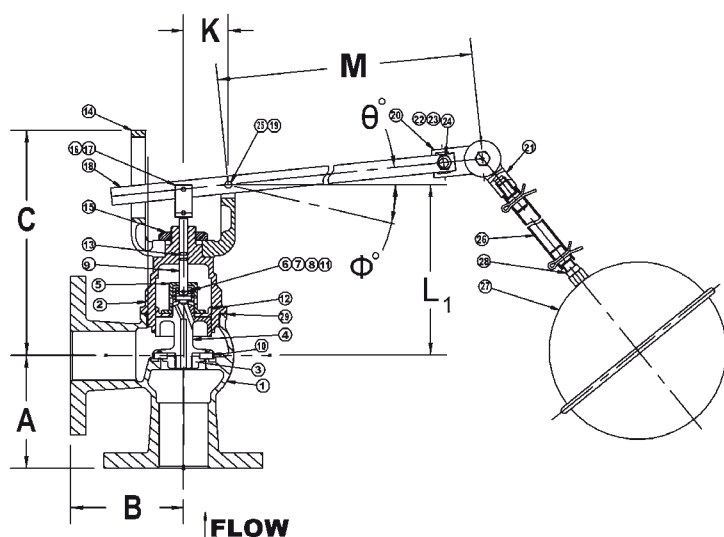
INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS

Ball Float Valve Angle Pattern	End Connections	Body & Cover	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Spindle	Liner	Rating		
									Working pressure	Max Temp	Working pressure at max temp.
									kPa psi	°C °F	kPa psi
9140 GUN METAL	B.S.T E	GM	25- 50mm	65- 100mm	GM	Neoprene	AB/SS	GM	1400 203	93 200	1400 203
9141A GUN METAL	ANSI 150	GM	25- 50mm	65- 100mm	GM	Neoprene	AB/SS	GM	1551 224	93 200	1551 224
9142 GUN METAL	B.S.T H	GM	25- 50mm	65- 100mm	GM	Neoprene	AB/SS	GM	1720 250	93 200	1720 250
9161 CAST IRON	B.S.T F	CI	25- 50mm	65- 100mm	GM	Neoprene	AB/SS	GM	2100 305	93 200	2100 305

SIZE (MM)	25	32	40	50	65	80	100	125	150	200
DIMENSIONS (MM)										
A	127	152	152	178	229	257	324	410	483	584
B	160	225	225	267	275	341	375	454	510	540
K	33	38	38	51	51	57	57	89	89	89
L ₁	122	179	179	205	213	281	314	368	424	454
M	300	324	324	324	324	352	352	613	613	613
θ° Shut	3	6	6	6	3	3	9.5	8	7	9
Φ° Open	15	12	12	15	21	11	18	19	20	20
Float Ø	229	229	229	229	250	250	250	250	250	250

Size 40mm – 50mm:
Screwed bonnet, integral seat, bronze piston fitted with neoprene tulip cup, complete with polypropylene ball and one metre connecting link.

Size 80mm – 150mm:
and bolted bonnet, bronze seat, bronze piston fitted with neoprene tulip cup, complete with copper ball and one metre connecting link. Flanged Ends.



PARTS LIST.

- Body
- Bonnet
- Disc Nut
- Disc Holder
- Cup Locknut
- Disc Retainer
- Pilot Valve
- Pin
- Spindle
- Disc
- Pilot Valve Disc
- Cup Washer
- O-Ring
- Yoke
- Locknut
- Pin
- Link
- Lever
- Pin
- Adjusting Clamp
- Clamp
- Bolt
- Nut
- Washer
- Pin
- Arm
- Float

**F
05**

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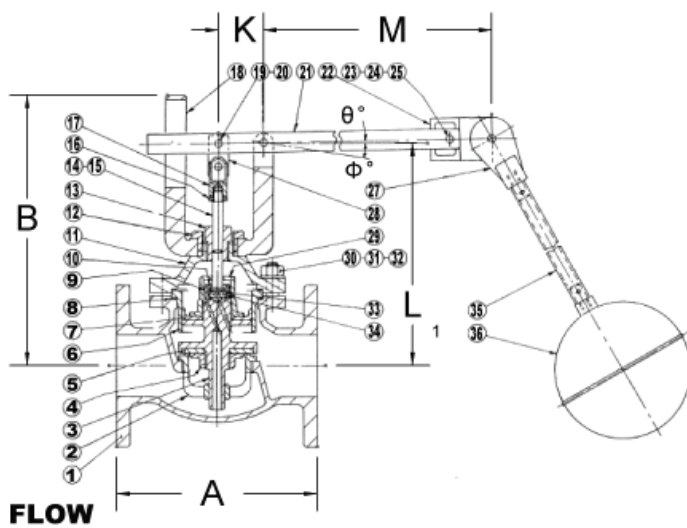
INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS



BALL FLOAT VALVE STRAIGHT PATTERN	End Connections	Body & Cover	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Spindle	Liner	Rating		
									Working pressure	Max Temp	Working pressure at max temp.
									kPa psi	°C °F	kPa psi
9150 CAST IRON	B.S.T. E	CI	25- 65mm	80- 300mm	GM	Neoprene	AB/SS	GM	1400 203	93 200	1400 203
9151A CAST IRON	ANSI 150	CI	25- 65mm	80- 300mm	GM	Neoprene	AB/SS	GM	1379 200	93 200	1379 200
9190 STAINLESS STEEL	B.S.T. E	SS	25- 65mm	80- 300mm	GM	PTFE	SS	SS	1400 203	200 392	1400 203
9191A STAINLESS STEEL	ANSI 150	SS	25- 65mm	80- 300mm	GM	PTFE	SS	SS	1900 275	200 392	1900 275
9192 STAINLESS STEEL	B.S.T. H	SS	25- 65mm	80- 300mm	GM	PTFE	SS	SS	1720 250	200 392	1720 250

SIZE (MM)	25	40	50	65	80	100	125	150	200
DIMENSIONS (MM)									
A	127	219	260	279	279	324	410	4836	584
B	160	232	274	347	347	375	454	510	540
K	33	38	51	57	57	57	89	89	89
L ₁	122	186	212	287	287	314	368	424	454
M	298	324	324	352	352	352	613	613	613
θ ° Shut	3	5.5	4.5	6	6	9.5	8	7	9
Φ ° Open	14	13	14	13	13	18	19	20	20
Float Ø	200	200	200	250	250	250	250	250	250

Straight pattern, balanced type, bolted bonnet, renewable bronze seat, bronze piston fitted with neoprene tulip cup, neoprene valve disc, complete with one metre connecting link. Flanged Ends.



PARTS LIST.

- | | |
|---------------------|----------------------|
| 1. Body | 17. Coupling |
| 2. Seat | 18. Yoke |
| 3. Valve | 19. Pin |
| 4. Disc Nut | 20. Pin |
| 5. Disc | 21. Lever |
| 6. Liner | 22. Adjusting Clamp |
| 7. Cup Washer | 23. Bolt |
| 8. Gasket | 24. Nut |
| 9. Nut | 25. Washer |
| 10. Retaining Screw | 26. |
| 11. Cover | 27. Adjusting Clamp |
| 12. Yoke Locknut | 28. Link |
| 13. Gland Nut | 29. Cup Locknut |
| 14. Spindle | 30. Stud |
| 15. O-Ring | 31. Nut |
| 16. Locknut | 32. Washer |
| | 33. Washer |
| | 34. Pilot Valve Disc |
| | 35. Arm |
| | 36. Float |

BALL FLOAT VALVES

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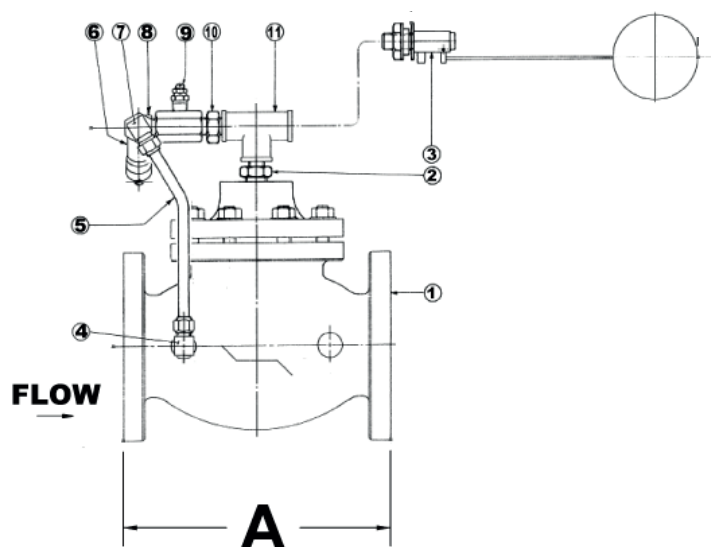
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INDEX OF ILLUSTRATED VALVES & EQUIVALENTS IN VARIOUS MATERIALS

BALL FLOAT VALVE REMOTE CONTROL	End Connections	Body & Cover	Screwed Bonnet	Bolted Bonnet	Seat Material	Disc	Liner	Working pressure	Max Temp	Working pressure at max temp.
								kPa psi	°C °F	kPa psi
9632 GUN METAL	B.S.T H	GM		✓		Neoprene	GM	3500 507	93 200	3500 507
9651 CAST IRON	B.S.T F	CI		✓		Neoprene	GM	2100 304	93 200	2100 304
9690 STAINLESS STEEL	B.S.T E	SS		✓		Neoprene	SS	1400 203	93 200	1400 203

SIZE (MM)	50	65	80	100	125	150	200	250	300
DIMENSIONS (MM)									
9632 - A	178	229	257	324	-	483	-	-	-
9651 - A	260	279	279	324	-	483	-	660	711
9690 - A	254	-	-	-	-	-	-	-	-

Remote control type, straight pattern. Ends angled Table "H".

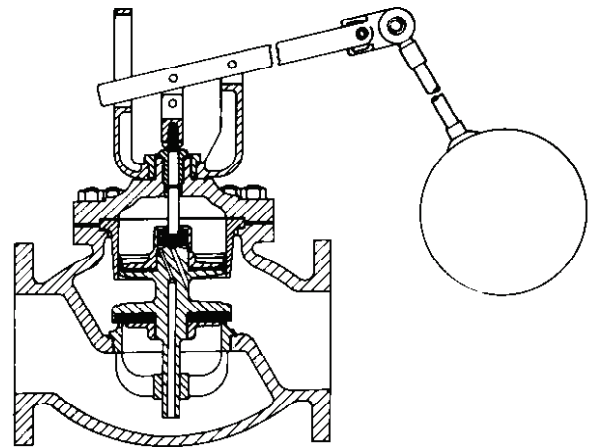


PARTS LIST.

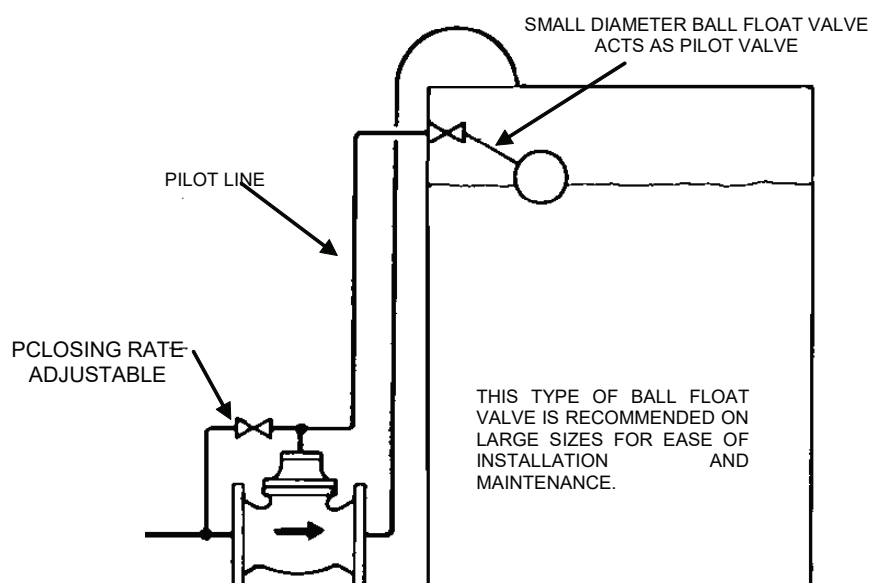
1. Body
2. Bonnet
3. Valve
4. Disc Nut
5. Locknut
6. Disc
7. Cupwasher
8. Spring
9. Cistern Cock
10. Split Pin
11. Washer

THE ILLUSTRATION SHOWS A STANDARD STRAIGHT FLANGED PATTERN FLOAT VALVE

1. The float is sized to provide ample closing force. Polypropylene floats are used as standard with optional copper and stainless steel floats to suit various applications.
2. Standard length of the tubular float arm is 1 metre unless otherwise specified.
3. The adjustable knuckle joint allows the float arm angle to be set to suit the installation. Do not install with float arm vertical.
4. Renewable seat, as shown in illustration, is fitted to valves 65mm and above.
5. Resilient valve disc for pressure tight sealing.
6. Pilot operation of the balanced main valve allows effortless control against high pressures.
7. Position of float arm relative to the valve is adjustable through 360°C.



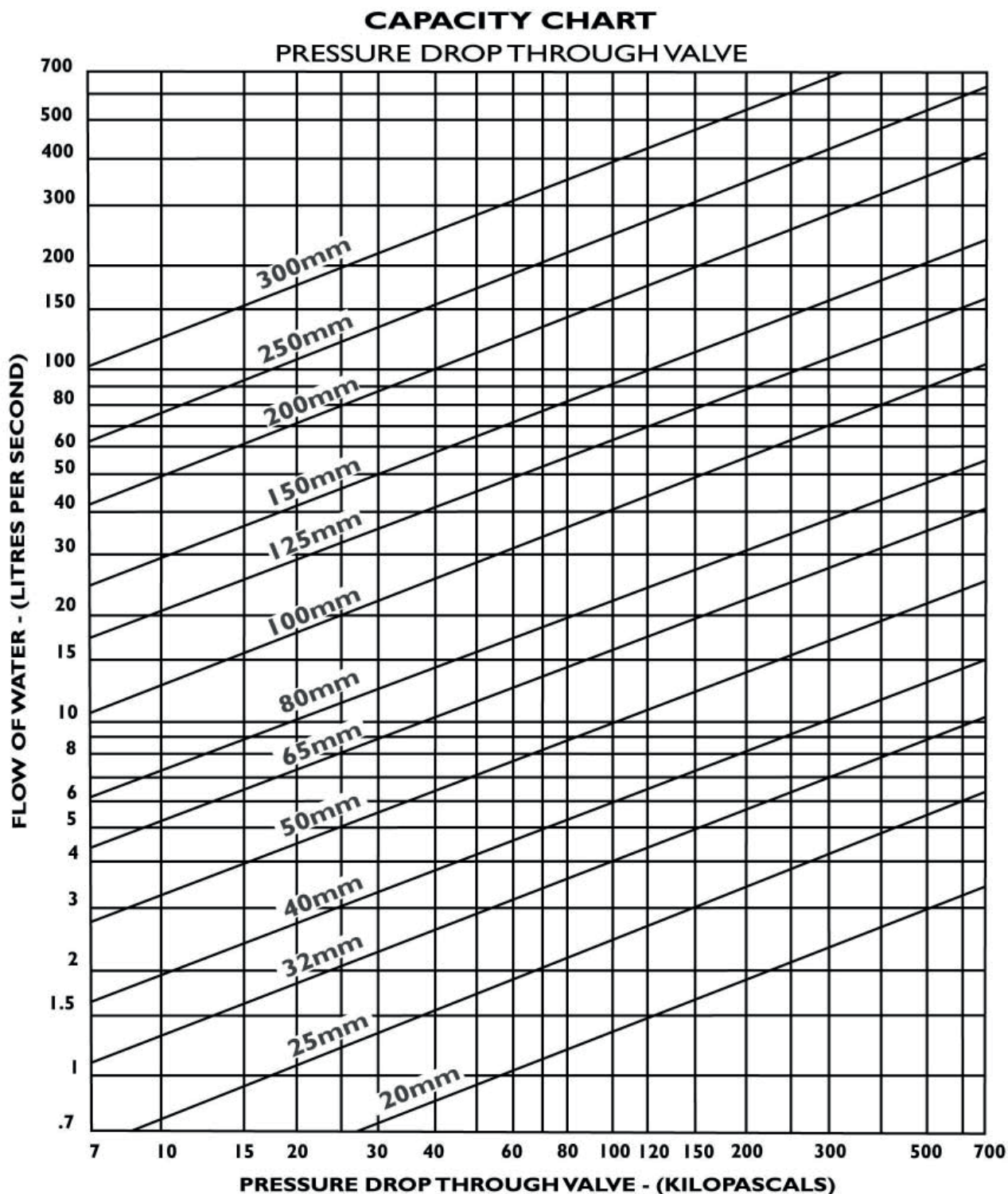
The diagram shows the principle of operation of remote control ball float valves. A small pilot float valve is connected to the main valve. Mains pressure keeps the main valve closed until falling water level opens the pilot valve and releases pressure from the top of the main valve which then opens to fill the tank.



BALL FLOAT VALVES

BALL FLOAT VALVES: 9132, 9138, 9151, 9192, 9198
9102, 9108, 9142, 9148, 9161

**F
08**



Correct sizing is essential for trouble free service and the capacities of straight types are shown on the graph. Angle patterns have approximately 30% greater flow for the same pressure drop.

F
09

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M.B. Manganese Bronze

C.I. Cast Iron
C.S. Cast Steel

BALL FLOAT VALVES

1st Digit Type of Product	2nd Digit Description Style	3rd Digit Body material and or function	4th Digit End connection Style
9	1 Ball Float Valves	3 G.M. Straight	1 Table 'F'
		4 G.M. Angle	1A ANSI 150
		5 C.I. Straight	2 Table 'H'
		6 C.I. Angle	Additional Index No
		7 C.S. Straight	CR Cryogenic
		9 S.S. Straight	B Design change
	6 Remote Ball Float	0 S.S. Angle	V Viton
		3 G.M. Straight	T PTFE
		5 C.I. Straight	T PTFE
	9 Remote Control Ball Using AO51	7 C.S. Straight	N Nitrile
		9 S.S. Straight	X Special
		5 C.I. Straight	