



THE HEART OF FRESHNESS

# PRESSURE VESSELS

LIQUID RECEIVERS

MANUFACTURED TO – AS 1210  
RE-DESIGNED FOR HFC REFRIGERANTS  
LARGER VALVE CONNECTIONS FITTED AS STANDARD  
RUST RESISTANT PAINT TREATMENT

Liquid  
Receivers





## Refrigerant Receivers

### Characteristics

- BITZER Refrigerant Receivers are designed to accommodate a wide range of applications.
- All Receivers are manufactured to Australian Standard AS 1210 Class 3C.
- Valve connections and liquid pick-up tubes have been specifically re-designed to suit HFC Refrigerants as standard.
- Multiple positions for liquid level alarm connection

For specific system designs, special receiver vessels can be manufactured on request.

### Vertical Receivers

Item No.	Vertical Liquid Receiver Model No.	Pump Down Capacity @ 80% 25°C			Shell Diameter Ø	O/A Height	G PCD	H Mtg Holes	Inlet Valve Ø	Outlet Valve Ø	E BSP Relief	F NPT Alarm
		R404a	R134a	R407F								
B31-001	RV107	42.9	52.0	48.3	273	1145	280	16	1-3/8" RL	1-3/8" RL	1/2"	1/2"
B31-002	RV143	55.7	67.5	62.7	273	1445	280		1-3/8" RL	1-3/8" RL		
B31-003	RV162	62.5	75.9	70.4	324	1156	333		1-3/8" RL	1-3/8" RL		
B31-003A									1-5/8" FF	1-5/8" FF		
B31-003B									2-1/8" FF	2-1/8" FF		
B31-004	RV221	76.8	93.1	86.5	356	1187	333		1-3/8" RL	1-3/8" RL		
B31-004A									2-1/8" FF	2-1/8" FF		
B31-004B									1-5/8" FF	1-5/8" FF		
B31-006	RV287	99.0	120.1	111.5	356	1506	333		1-3/8" RL	1-3/8" RL		
B31-006A									2-1/8" FF	2-1/8" FF		
B31-006B									1-5/8" FF	1-5/8" FF		
B31-006F									2-5/8" FF	2-1/8" FF		
B31-008									1-5/8" FF	1-5/8" FF		
B31-008E	RV377	126.7	153.7	142.8	406	1498	384		2-1/8" FF	2-1/8" FF		
B31-008F									2-5/8" FF	2-1/8" FF		
B31-010	RV491	170.7	206.2	191.5	457	1551	415		1-5/8" FF	1-5/8" FF		
B31-010B									2-1/8" FF	2-1/8" FF		
B31-010F									2-5/8" FF	2-1/8" FF		
B31-010G									2-5/8" FF	2-5/8" FF		
B31-011									1-5/8" FF	1-5/8" FF		
B31-011A	RV598	206.3	250.3	232.4	457	1851	415	2-1/8" FF	2-1/8" FF			
B31-011B								3-1/8" FF	3-1/8" FF			
B31-011F								2-5/8" FF	2-1/8" FF			

#### NOTES:

RL means Rotolock Valve c/w 1 x Ø1/4"MSAE service port  
 FF means Fully Flanged Valve  
 Including 3 x Rotolock Sight Glasses c/w Indicator ball.

2 x 1/2" NPT Sockets for Low Level Alarm Probe.  
 All Dimensions in millimetres +/- 3.0mm

### Horizontal Receivers

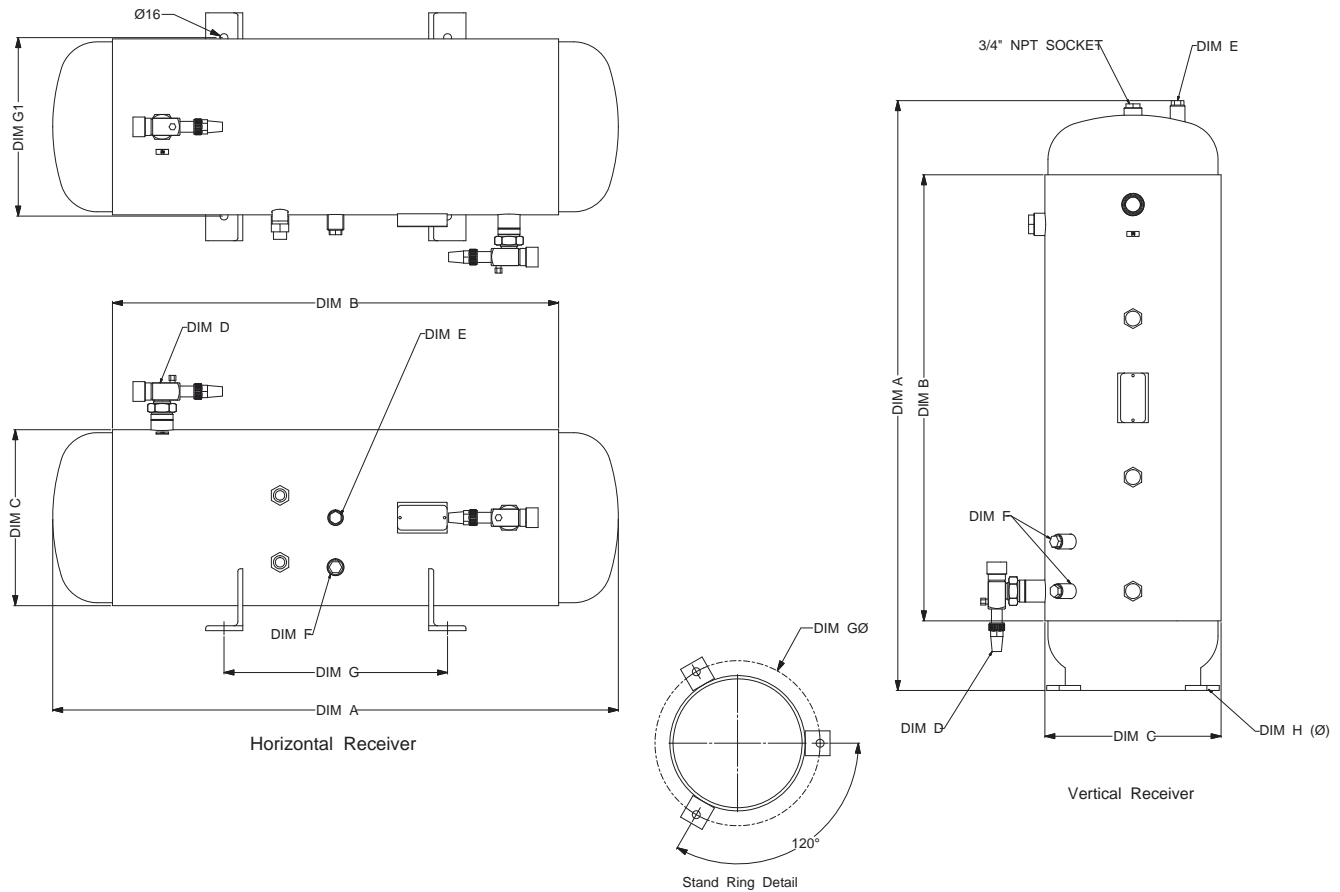
Item No.	Horizontal Liquid Receiver Model No.	Pump Down Capacity @ 80% 25°C			Shell Diameter Ø	O/A Length	O/A Depth	O/A Height	H Mtg Holes	Inlet Valve Ø	Outlet Valve Ø	E BSP Relief	F NPT Alarm	Qty. Sight Glasses
		R404a	R134a	R407F										
B30-012	RH107	42.9	52.0	48.3	273	1074	420	441	16	1-3/8" RL	1-3/8" RL	1/2"	1/2"	2
B30-013	RH143	55.7	67.5	62.7	273	1374	445	418		1-3/8" RL	1-3/8" RL			
B30-014	RH162	62.5	75.9	70.4	324	1102	490	471		1-3/8" RL	1-3/8" RL			
B30-015	RH221	76.8	93.1	86.5	356	1144	493	548		1-3/8" RL	1-3/8" RL			
B30-016	RH287	99.0	120.1	111.5	356	1450	604	622		1-3/8" RL	1-3/8" RL			
B30-016C										1-5/8" FF	1-5/8" FF			
B30-016E										2-5/8" FF	2-1/8" FF			
B30-017	RH377	126.7	153.7	142.8	406	1473	639	629		1-5/8" FF	1-5/8" FF			
B30-017B										2-1/8" FF	2-1/8" FF			
B30-018	RH491	170.7	206.2	191.5	457	1510	705	708		1-5/8" FF	1-5/8" FF			
B30-018B										2-1/8" FF	2-1/8" FF			
B30-019	RH598	206.3	250.3	232.4	457	1810	703	691		1-5/8" FF	1-5/8" FF			
B30-019A										2-1/8" FF	2-1/8" FF			

#### NOTES:

RL means Rotolock Valve c/w 1 x Ø1/4"MSAE service port.  
 FF means Fully Flanged Valve  
 Including Rotolock Sight Glasses c/w Indicator ball.

1 1/2" NPT Socket for Low Level Alarm Probe.  
 All Dimensions in millimetres +/- 3.0mm  
 For mounting feet bolt hole centres contact BITZER.

## Dimensional Drawings



## Small Vertical Receivers

Item No.	Vertical Liquid Receiver Model No.	Pump Down Capacity @ 80% 25°C			Shell Diameter Ø	O/A HEIGHT	G PCD	H Mtg Hole	Inlet Valve Ø	Outlet Valve Ø	E BSP Relief	F NPT Alarm
		R404a	R134a	R407F								
B31-005	RV25	11.4	13.9	12.9	168	802	164.3	14	7/8" RL	7/8" RL		
B31-014	RV73	24.4	29.6	27.5	219	1005	218.4	16	7/8"RL	7/8"RL	3/8"	N/A
B31-068	RV80	35.4	43.0	39.9	219	1396	218.4	16	1-1/8" RL	1-1/8" RL		

### NOTES:

RL means Rotolock Valve c/w 1 x Ø1/4"MSAE service port  
 RV80 Only 2 x Rotolock Sight Glasses c/w Indicator ball.  
 All Dimensions in millimetres +/- 3.0mm

## Small Horizontal Receivers

Item No.	Horizontal Liquid Receiver Model No.	Pump Down Capacity @ 80% 25°C			Shell Diameter Ø	O/A Length	O/A Depth	O/A Height	H Mtg Hole	Inlet Valve Ø	Outlet Valve Ø	E BSP Relief	F NPT Alarm
		R404a	R134a	R407F									
B30-003	RH25	11.4	13.9	12.9	168	760	264	220	14	7/8" RL	7/8" RL	3/8"	N/A
B30-008	RH73	24.4	29.6	27.5	219	992	325	325		7/8"RL	7/8"RL		
B30-027	RH80	35.4	43.0	39.9	219	1362	367	370		1-1/8" RL	1-1/8" RL		
B30-010	RH90	40.4	49.0	45.5	219	1942	370	370		1-1/8" RL	1-1/8" RL		

RL means Rotolock Valve c/w 1 x Ø1/4"MSAE service port  
 All Dimensions in millimetres +/- 3.0mm  
 For mounting feet bolt hole centres contact BITZER.

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Note: The ISO standard only applies to the BITZER NSW and VIC branches