

COOLING SOLUTIONS

RECEIVERS
SUCTION ACCUMULATORS



 **Embraco**®

Embraco Cooling Solutions, Embraco's business unit for cooling solutions, is launching its receiver and suction accumulator lines onto the market. Through the release of these new products, Embraco is further strengthening its presence in the commercial refrigeration market.

The receiver and suction accumulators were developed within the technological standards and internationally recognized quality of the Embraco brand. As a result of the close partnership between **Embraco Cooling Solutions** and its

customers, it has been possible to develop solutions to meet the needs of the most diverse applications, such as walk in cooler, display cases, refrigerators, automatic refrigeration machines, special projects and others.

Embraco Cooling Solutions has a team of engineers working exclusively on the development of new applications and customer technical support, as well as a broad network of certified laboratories worldwide.

RECEIVERS

Purpose

The receivers serve as a refrigerant reservoir during normal system operation, providing a refrigerant reserve during high thermal load periods as well as storing the refrigerant load during pumpdown operations.

Specifications

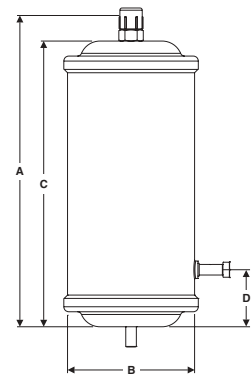
- Copper sweat connections (at inlet)*;
 - Rotalock connections (at outlet)*;
 - Vertical models;
 - Dimensions: from 76 mm (3") to 152 mm (6");
 - Fusible plug for diameters above 76 mm (3") (available on request);
 - Design pressure: 440 psi (30 bar);
 - Powder coated paint, black;
 - Approvals: UL or CE (available on request);
 - Compatible with HCFC or HFC refrigerants.
- * Other connections available on request.

Applications

Designed for installation in liquid lines of any refrigeration system which requires a storage vessel for liquid refrigerant either for system pumpdowns or to ensure a column of liquid before the expansion device.

The receivers are selected based on the operating charge for all system components and liquid lines.

They must be sized to hold a refrigerant charge up to 90% of their total internal volume.



Standard Line

Codes	Connection Types		Dimensions mm (in)				Internal Vol. (L)
	Inlet	Outlet	A	B	C	D	
21.534.0006	1/4" I.D weld.	3/4" Rotalock	177 (6.97)	76.2 (3.00)	154 (6.06)	46.8 (1.84)	0.6
21.534.0008	1/4" I.D weld.	3/4" Rotalock	292 (11.50)	76.2 (3.00)	269 (10.59)	46.8 (1.84)	1.0
21.534.0004	1/4" I.D weld.	3/4" Rotalock	342 (13.46)	76.2 (3.00)	319 (12.56)	46.8 (1.84)	1.2
21.534.0009	5/16" I.D weld.	3/4" Rotalock	226 (8.90)	114.3 (4.50)	203 (7.99)	50.8 (2.00)	1.5
21.534.0001	5/16" I.D weld.	3/4" Rotalock	280 (11.02)	114.3 (4.50)	257 (10.12)	50.8 (2.00)	2.2
21.534.0002	3/8" I.D weld.	3/4" Rotalock	247 (9.72)	152.4 (6.00)	224 (8.82)	63.5 (2.50)	4.0
21.534.0007	3/8" I.D weld.	1" Rotalock	407 (16.02)	152.4 (6.00)	382 (15.04)	63.5 (2.50)	6.0

Note: Special products available on request.



SUCTION ACCUMULATORS

Purpose

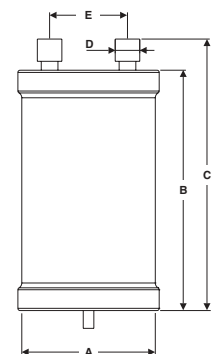
The suction accumulator is designed to prevent excessive quantities of liquid refrigerant and oil from returning to the compressor.

Specifications

- Vertical models;
 - Internal volume: 2.2 l to 3.5 l;
 - Copper sweat connections*;
 - Diameters: 114 mm (4.5") to 152 mm (6") (available on request);
 - Design pressure: 440 psi (30 bar);
 - Enables positive oil return;
 - Fusible plug (available on request);
 - Powder coated paint, black;
 - Approvals: UL or CE (available on request);
 - Compatibility with HCFC or HFC refrigerants.
- * Other connections and volumes available on request.

Applications

For use in air conditioning, cooling or heat pumps, for protection against liquid migration during compressor switch off time or protection against liquid slugging, during system running time.



Installation Instructions

- Locate the accumulator as close to the compressor as possible.
- In systems employing reverse cycle, the accumulator must be installed between the reversing valve and the compressor.
- Proper inlet (from evaporator) and outlet (to compressor) orientation must be observed.
- The accumulator must be installed upright.

Standard Line

Codes	Dimensions mm (in)					Internal vol. (L)
	A	B	C	D	E	
01.585.1171	114 (4.49)	340 (13.39)	371 (14.61)	22.5 (0.89)	70.0 (2.76)	3.5
01.585.1170	114 (4.49)	295 (11.61)	324 (12.76)	22.5 (0.89)	70.0 (2.76)	3.0
01.585.1090	114 (4.49)	216 (8.50)	244 (9.61)	22.5 (0.89)	70.0 (2.76)	2.2

Note: Special products available on request.



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Embraco is participating in the United Nations Global Compact.