

STAINLESS STEEL CONDENSING COIL BUCKET

USA LAB Condensing Coil Bucket

Stainless Steel 10" Condensing Coil Bucket, SS304

The USA LAB Condensing Coil Bucket chills solvents or process fluids by circulating them through a stainless steel condensing coil that sits in a cooling bath, most commonly a dry ice + ethanol slurry. Its 20ft SS304 coil has no 90° bends to support faster fluid pass-through and is rated to 150PSI.

- ✓ **Fast fluid path.** No 90° bends to support faster fluid pass-through.
- ✓ **Long SS304 coil.** 20ft coil, ID 10mm, OD 12.7mm.
- ✓ **Rated to 150PSI.** 304 stainless steel construction throughout.
- ✓ **Flexible coolant options.** Dry ice + ethanol slurry, or ice water for lighter cooling demands.
- ✓ **Three connection options.** 3 × 1/2" FNPT, 1/4" FNPT, or 1/2" Compression connections.

MODEL USA LAB CONDENSING COIL BUCKET



150 PSI

PRESSURE RATING

20 ft

COIL LENGTH

12.7 mm

COIL OUTER DIAMETER

10 mm

COIL INNER DIAMETER

16 to 22 lb

WEIGHT ACROSS SIZES

Technical Specifications

Model USA LAB Condensing Coil Bucket

PERFORMANCE

Pressure rating	150PSI
Coil length	20ft
Coil ID	10mm
Coil OD	12.7mm
Flow path	No 90° bends to support faster fluid pass-through

OPERATION

Operating principle	Fluid circulates through a stainless steel coil in a cooling bath
Recommended coolant	Dry ice + ethanol slurry
Alternative coolant	Ice water or similar, for lighter cooling demands
Compatibility	Confirm fluid and coolant compatibility with 304 stainless steel before use

CONSTRUCTION

Material	304 Stainless Steel
Coil material	SS304
Connections	3 × 1/4" FNPT to 3 × 1/2" FNPT; 3 × 1/2" Compression (CCB-C-12)
Brand	USA Lab
Class	Stainless Steel Components
Item type	Inventory Item

DIMENSIONS AND WEIGHT

Dimensions	10" x 10" x 10"
CCB-C-12 size (L x W x H)	13 × 10.25 × 12.5 in, measured by hand
Weight	16 lbs
CCB-C-12 weight	22 lb, measured by hand

IDEAL APPLICATIONS

Solvent chilling Cold transfer Pre-cooling for recovery Botanical extraction Pharmaceutical Academic and research

Specifications by Size

Model USA LAB Condensing Coil Bucket

Specification	1/2" CCB-12	1/4" CCB-14	1/2" Compression CCB-C-12
Size	1/2"	1/4"	1/2" Compression
Connections	3 × 1/2" FNPT	3 × 1/4" FNPT	3 × 1/2" Compression
Size (L x W x H)	10" x 10" x 10"	10" x 10" x 10"	13 × 10.25 × 12.5 in
Weight	16 lb	16 lb	22 lb

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	CONNECTIONS
CCB-12	Stainless Steel 10" Condensing Coil Bucket Size: 1/2"	3 × 1/2" FNPT
CCB-14	Stainless Steel 10" Condensing Coil Bucket Size: 1/4"	3 × 1/4" FNPT
CCB-C-12	Stainless Steel 10" Condensing Coil Bucket Size: 1/2" Compression	3 × 1/2" Compression