



PARTS & COMPONENTS CATALOG

Chart CryoDoser Flex Pack Premier™

Liquid Nitrogen Dosing System

Complete parts list for standard system configurations. All listed part numbers are JoyCan Vendor Numbers.

October 2026



01

System Components

Chart CryDoser Flex Pack Premier · Standard configuration plus additional and optional items (tagged)



Pack Premier
Controller

P/N 3461616

Qty 1 · [Shop online](#) ›

STANDARD



CryoDoser Flex Body
Assembly

P/N 34621

Qty 1 · [Shop online](#) ›

STANDARD



Interface Box PP

P/N 90216-23

Qty 1 · [Shop online](#) ›

STANDARD



Short Arm (Long Arm
also available)

P/N 346191

Qty 1 · [Shop online](#) ›

OPTIONAL



Cable Set, Controller
to Interface Box, 33'

P/N 34639-33

Qty 1 · [Shop online](#) ›

STANDARD



Cable Set, Interface
Box to Doser, 33'

P/N 34695-PP-33

Qty 1 · [Shop online](#) ›

STANDARD



12mm Inductive
Proximity Sensor,
Long, F Bracket

P/N 120916L-F

Qty 1 · [Shop online](#) ›

STANDARD



18mm Inductive
Proximity Sensor,
Short, F Bracket

P/N 180916S-F

Qty 1 · [Request a quote](#)

STANDARD

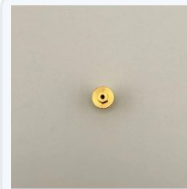


.040" Nozzle

P/N 4040

Qty 1 · [Shop online](#) ›

OPTIONAL

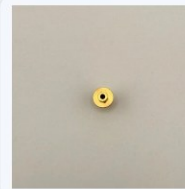


.060" Nozzle

P/N 4060

Qty 1 · [Shop online](#) ›

OPTIONAL



.080" Nozzle

P/N 4080

Qty 1 · [Shop online](#) ›

OPTIONAL



EP Head Assembly,
CDF

P/N 5169

Qty 1 · [Shop online](#) ›

STANDARD



CDF Pack Premier
Essentials Kit

P/N 511-34616

Qty 1 · [Request a quote](#)

STANDARD



Spare Parts Kit PP

P/N 1916-34616

Qty 1 · [Shop online](#) ›

ADDITIONAL



SICK Programmed
Encoder

P/N 5500

Qty 1 · [Shop online](#) ›

ADDITIONAL



Support Stand Base
with SS 7' Stand

P/N 1919B7

Qty 1 · [Shop online](#) ›

ADDITIONAL



Leveling Feet Kit

P/N LF4FN4

Qty 1 · [Shop online](#) ›

ADDITIONAL



10' Cflex VJ Hose

P/N JF4-10-DM

Qty 1 · [Shop online](#) ›

OPTIONAL



20' Cflex VJ Hose

P/N JF4-20-DM

Qty 1 · [Shop online](#) ›

OPTIONAL



Steinfurth Digital
Pressure Tester

P/N 51620.S

Qty 1 · [Shop online](#) ›

OPTIONAL

02

Pack Premier Controller

P/N 3461616 · Pack Premier Controller



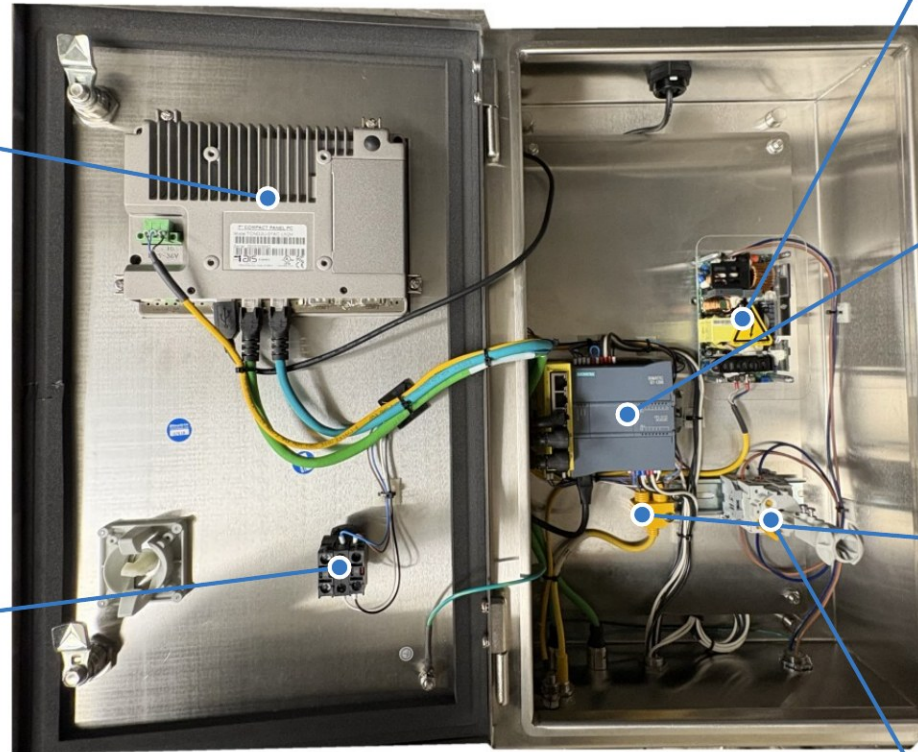
7" Compact Panel PC (Touch)

Mounted in door
[Request a quote ›](#)



Door Power Connector

[Request a quote ›](#)



24V Power Supply for CDF

P/N 34631924

[Request a quote ›](#)



Siemens SIMATIC S7-1200 PLC

P/N 133.101

[Request a quote ›](#)



M12 Y-Splitter

[Request a quote ›](#)



Main Disconnect Switch

[Request a quote ›](#)



03

Interface Box PP

P/N 90216-23 · Interface Box PP



PG7 Cable Gland, .08"-.2" Cable
(x4)

P/N PG7-082

[Shop online ›](#)



ThermoPurge Controller

P/N 902208

[Request a quote ›](#)



Siemens SIMATIC S7-1200 PLC

P/N 133.101

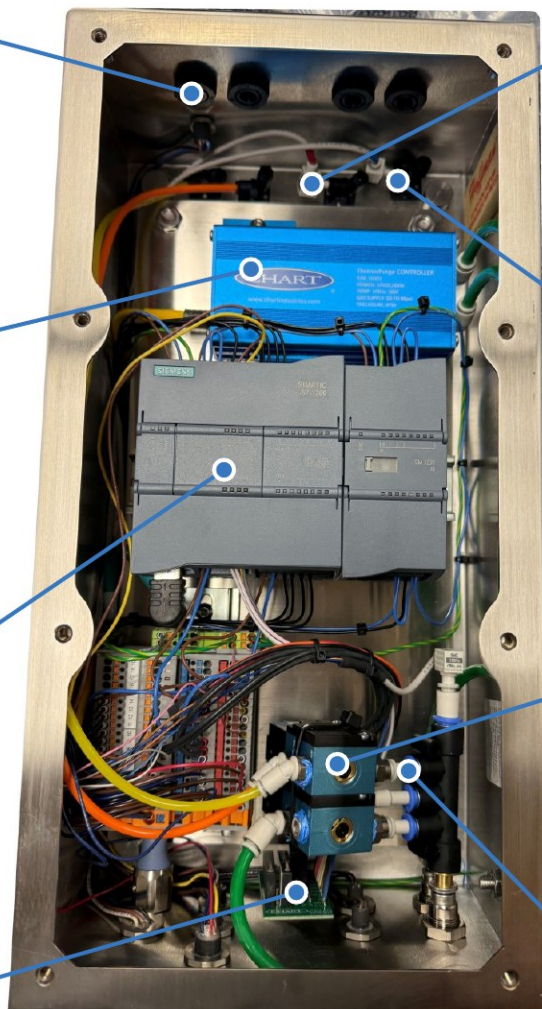
[Request a quote ›](#)



EASE Actuator PC Board

P/N 5119.1632

[Shop online ›](#)



CDF Pressure Transducer LP/HP
(x2)

P/N 34620.11 / 34620.08

[Shop online ›](#)



4mm Push-to-Fit 90° Fitting (x4)

P/N 157PF-90

[Shop online ›](#)



MAC Solenoid Valve (x2)

P/N 5818-143

[Shop online ›](#)



SMC Manifold

[Request a quote ›](#)



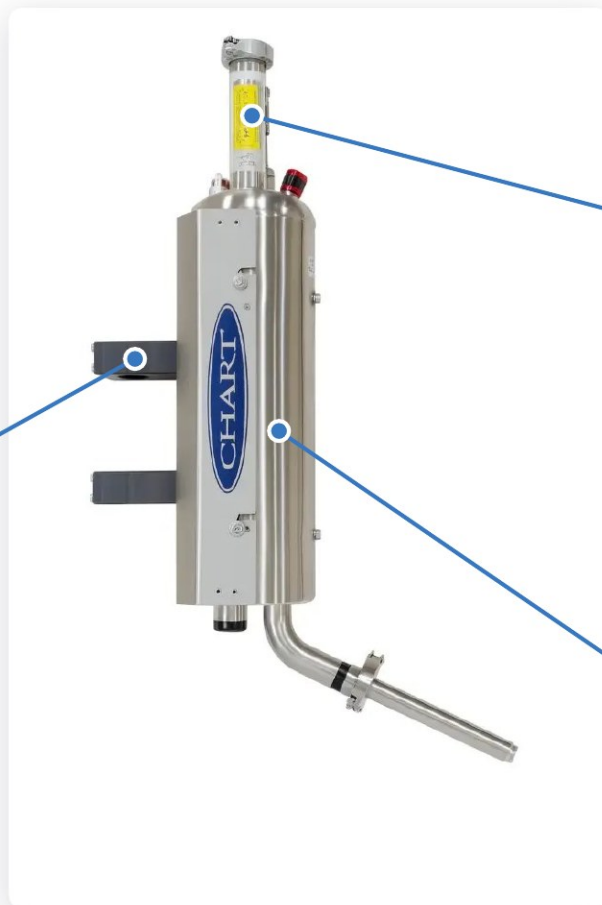
04

CryoDoser Flex Body Assembly

P/N 34621 · CryoDoser Flex Body Assy



CDF Body Bracket (Delrin Clamps)
P/N 22356
[Shop online ›](#)



CDF Inlet Bimba Assembly
P/N 346921
Mounts on back side of top stem
[Shop online ›](#)



CD Flex Body
P/N 3462
[Request a quote ›](#)



05

EP Head Assembly, CDF

P/N 5169 · EP Head Assy CDF



EP Head CDF (Upper Housing / Stem Assy)

P/N 5169.21891

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EP Head Gasket

P/N 516-87

[Shop online ›](#)



CDF Actuator Screws (x6)

P/N 6-M4-0.7-10

[Shop online ›](#)



Actuator Adapter, with Purge Port

P/N 112316

[Shop online ›](#)



Check Valve, 1/8 NPT

P/N 322.18NPT

[Shop online ›](#)



6mm P2F to 1/8" NPT with Crush Gasket

P/N 6PF-125141620

[Shop online ›](#)



Actuator Washer (x6)

P/N 23-146-315

[Shop online ›](#)



06

Cable Sets

P/N 34639-33 · CDF Cable Set, Controller to Interface Box, 33' | P/N 34695-PP-33 · CDF-PP Cable Set, Interface Box to Doser, 33'



CDF Profinet Cable,
33'
P/N 4FSN-4FSN-33
[Shop online ›](#)



CDF 24V Cable, 33'
P/N 5MSN-5FSN-33
[Shop online ›](#)



Cable Set, Controller to Interface Box, 33'
P/N 34639-33



Cable Set, Interface Box to Doser, 33'
P/N 34695-PP-33

**Pack Premier Tubing
Kit, 33'**
P/N 219-33-16
[See Tubing Kit page](#)
[Request a quote ›](#)



**CDF Sensor/Heater
Cable, 33', NU (x4)**
P/N 4MSN-5FDU-33
[Shop online ›](#)



Actuator Cable, 33'
P/N 12MSN-5FDU-33
[Shop online ›](#)



**CDF Encoder Cable,
33'**
P/N 8MSN-8FDN-33
[Shop online ›](#)



07

Pack Premier Tubing Kit, 33'

P/N 219-33-16 · Pack Premier Tubing Kit - 33'



4mm Polyurethane Tubing,
Yellow

P/N 20134-Y

[Shop online ›](#)



4mm Polyurethane Tubing, Red

P/N 20134-R

[Shop online ›](#)



4mm Polyurethane Tubing, Blue

P/N 20134-B

[Shop online ›](#)



1/4" Tubing, Black

P/N 201314-D

[Shop online ›](#)



4mm Polyurethane Tubing,
Orange

P/N 20134-O

[Shop online ›](#)



6mm Polyurethane Tubing, Green

P/N 20136-G

[Shop online ›](#)



8mm Polyurethane Tubing, Clear

P/N 20138-C

[Shop online ›](#)



08

Sensor Kits (Standard)

P/N 120916L-F · 12mm Inductive Proximity – Long – F Bracket | P/N 180916S-F · 18mm Inductive Proximity Sensor – Short – F Bracket



12mm Sensor Bracket
(Flat)

P/N 121902.1

[Shop online ›](#)



12mm Inductive Proximity, Long, F Bracket
(Standard)

P/N 120916L-F



12mm Inductive
Proximity Sensor,
Long

P/N 120916L

[Shop online ›](#)



18mm Inductive Proximity, Short, F
Bracket (Standard)

P/N 180916S-F

18mm Inductive
Proximity Sensor,
Short

P/N 180916S

[Shop online ›](#)



18mm Sensor Bracket
(Flat)

P/N 181902.1

[Shop online ›](#)



09

18mm Photoelectric Sensor (Optional)

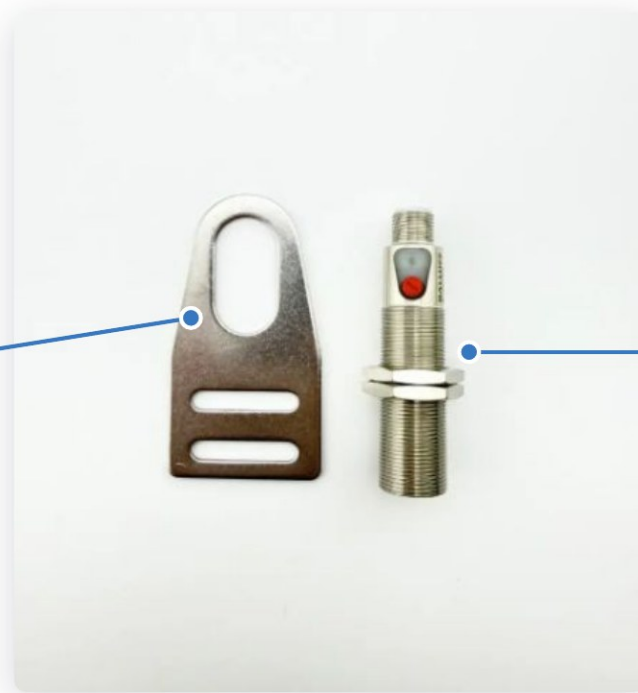
P/N 181605-F · 18mm Photoelectric Sensor – F Bracket · optional photoeye in place of an inductive sensor



18mm Sensor Bracket (Flat)

P/N 181902.1

[Shop online ›](#)



18mm Photoelectric Sensor

P/N 181605

[Shop online ›](#)



10

CDF Pack Premier Essentials Kit

P/N 511-34616 · CDF Pack Premier Essentials Kit



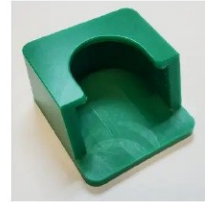
Head Heater Assembly,
Cartridge-Style
P/N 80108

[Shop online ›](#)



Vent Heater Assembly,
Cartridge-Style
P/N 80122

[Shop online ›](#)



Washdown Covers
P/N 233916

Qty 2
[Shop online ›](#)



Power Cable
P/N 1631-10

[Shop online ›](#)



Nozzle Tool
P/N 41313

[Shop online ›](#)



Controller Mounting Assembly
P/N 3131420

[Shop online ›](#)



Manual and Fittings (PP)
P/N 136-34616

See next page
[Request a quote ›](#)



Controller Key (PP)
P/N 3463-1616

Part of Manual and Fittings
[Request a quote ›](#)

Manual and Fittings (PP)

P/N 136-34616 · Manual and Fittings (PP)



CryoDoser Flex PP User Manual
P/N 2113-1616

[Request a quote ›](#)



CDF Assembly Guide Rev. B
P/N 15963

[Request a quote ›](#)



75 psi Preset Regulator
P/N 161875

[Shop online ›](#)



CGA-580 to 1/4" P2F with 8mm
Adapter
P/N 371580258

[Shop online ›](#)



8mm P2F Tee
P/N 8PF-T

[Shop online ›](#)



8mm P2F Elbow
P/N 8PF-D

[Shop online ›](#)



8mm P2F-F to 1/4" P2F-M
Adapter
P/N 8PF6-25PF13

[Shop online ›](#)



1/4" P2F Straight Connector
P/N 25PF-25PF

[Shop online ›](#)



High-Temperature Silicone
Rubber Gasket
P/N 187-W

[Shop online ›](#)



12 Pin Connector
P/N 12MC-120

[Shop online ›](#)



Controller Key (PP)
P/N 3463-1616

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Arms, Encoder & Pressure Tester

P/N 346191 Short Arm · P/N 346121 Long Arm · P/N 5500 SICK Programmed Encoder · P/N 51620.S Steinfurth Digital Pressure Tester



Short Arm
P/N 346191

OPTIONAL

[Shop online ›](#)



Long Arm
P/N 346121

OPTIONAL

[Shop online ›](#)



SICK Programmed Encoder
P/N 5500

ADDITIONAL

[Shop online ›](#)



Steinfurth Digital Pressure
Tester
P/N 51620.S

OPTIONAL

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Dosing Nozzles

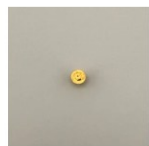
P/N 4020 – 4100 · Dosing Nozzles, Nozzle Organizer Board & Nozzle Plug



.020" Dosing Nozzle
P/N 4020

OPTIONAL

[Shop online ›](#)



.025" Dosing Nozzle
P/N 4025

OPTIONAL

[Shop online ›](#)



.030" Dosing Nozzle
P/N 4030

OPTIONAL

[Shop online ›](#)



.035" Dosing Nozzle
P/N 4035

OPTIONAL

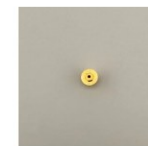
[Shop online ›](#)



.040" Dosing Nozzle
P/N 4040

OPTIONAL

[Shop online ›](#)



.045" Dosing Nozzle
P/N 4045

OPTIONAL

[Shop online ›](#)



.050" Dosing Nozzle
P/N 4050

OPTIONAL

[Shop online ›](#)



.055" Dosing Nozzle
P/N 4055

OPTIONAL

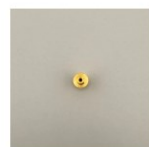
[Shop online ›](#)



.060" Dosing Nozzle
P/N 4060

OPTIONAL

[Shop online ›](#)



.065" Dosing Nozzle
P/N 4065

OPTIONAL

[Shop online ›](#)



.070" Dosing Nozzle
P/N 4070

OPTIONAL

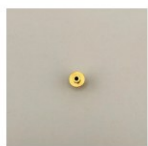
[Shop online ›](#)



.075" Dosing Nozzle
P/N 4075

OPTIONAL

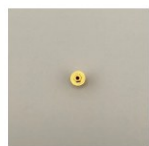
[Shop online ›](#)



.080" Dosing Nozzle
P/N 4080

OPTIONAL

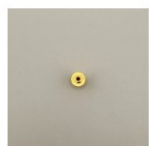
[Shop online ›](#)



.085" Dosing Nozzle
P/N 4085

OPTIONAL

[Shop online ›](#)



.090" Dosing Nozzle
P/N 4090

OPTIONAL

[Shop online ›](#)



.100" Dosing Nozzle
P/N 4100

OPTIONAL

[Shop online ›](#)



Nozzle Organizer Board
P/N 4001

OPTIONAL

[Shop online ›](#)



Nozzle Plug (Red)
P/N 4002

OPTIONAL

[Shop online ›](#)



Washdown Covers (x2)
P/N 233916
[Shop online ›](#)



Heater Cartridge, 10W
P/N 80310
[Shop online ›](#)



Heater Cartridge, 15W
P/N 80315
[Shop online ›](#)



EP Head Stem Assembly
P/N 292191
[Shop online ›](#)



PLC Programmed Memory Card,
Pack Premier
P/N 133.1616
[Shop online ›](#)



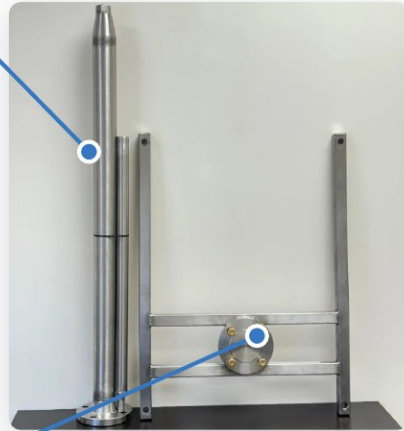
15

Support Stand & Leveling Feet

P/N 1919B7 · Support Stand Base with SS 7' Stand | P/N LF4FN4 · Leveling Feet Kit



**Stainless Steel
Support Stand (7')**
P/N 19197
[Shop online ›](#)



Support Stand Base with SS 7' Stand
P/N 1919B7



Support Stand Base
P/N 1919B
[Shop online ›](#)



Leveling Feet Kit
P/N LF4FN4

**Leveling Feet
(Individual)**
P/N LF4
Qty 4
[Shop online ›](#)



Steel Flange Nuts
P/N 21614
Qty 4
[Shop online ›](#)



LN₂ Supply Hoses & Whisper Valve

P/N JF4-10-DM · 10' Cflex VJ Hose | P/N JF4-20-DM · 20' Cflex VJ Hose | P/N 232233-90 Whisper Valve · P/N 231613-6296 Wall Mount Bracket, 6' Hose



10' Cflex VJ Hose
P/N JF4-10-DM

OPTIONAL

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20' Cflex VJ Hose
P/N JF4-20-DM

OPTIONAL

[Shop online ›](#)



10 Micron SST Inlet Filter
P/N 9610

OPTIONAL

[Shop online ›](#)



150 PSI Dewar Safety Release
Valve Assembly
P/N 1722-1

OPTIONAL

[Shop online ›](#)



CGA 295 Hose End Dust Cap
(Inert)
P/N 53295

OPTIONAL

[Shop online ›](#)



Whisper Valve for Dewars,
Preset to 90 PSI
P/N 232233-90

OPTIONAL

[Shop online ›](#)



Wall Mount Bracket for Whisper
Valve, 6' Hose, CGA 295
P/N 231613-6296

OPTIONAL

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17

ADF 105 Filler & Dewars

P/N ADF-105 · manual start, automatic shut-off filling station for 160–240 L dewars · 22–125 psi inlet · 115 V (220 V optional)



ADF 105 (Automatic Dewar Filler)

P/N ADF-105

Optional · NEMA 4X, CE

[Request a quote ›](#)

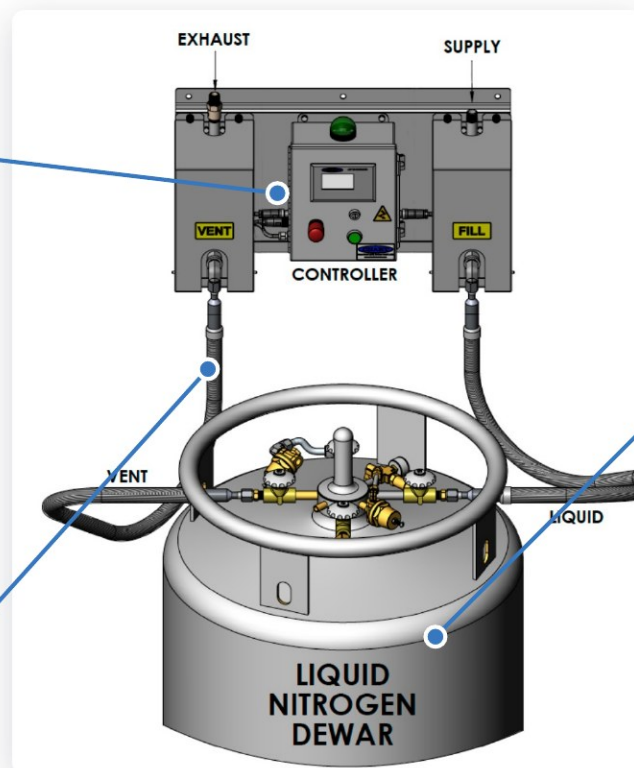


Dewar LN₂ Transfer Hose, 4' NVJ (x2)

P/N NVJ-JF4-4-JF4

Optional

[Shop online ›](#)



230L Dewar, w/ PB, 90 psi

P/N 4323090

Optional

[Request a quote ›](#)





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joycan.com

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