

CENTRA® Packaged Central Laboratory Water Systems

The Centra® Lab Central Water System combines purification, storage and distribution in a single cabinet. The compact system design incorporates, RO, UV, filters, pump and reservoir in one unit. Purified water is distributed via a loop to multiple labs and points of use in a building.

Standard Features and Benefits

- Flow rates of 5 gpm and 10 gpm
- Consumable change reminders
- Feeds multiple floors, faucets, polishers, glassware washers, autoclaves and sterilizers in a facility
- Water leak detection to prevent lab flooding
- Compact design for space utilization
- Easy connection to Building Management System (BMS)
- Validatable



CENTRA® SYSTEM SPECIFICATIONS

Performance Specifications

| MODEL | Inorganics | TOC | Bacteria* | Particulates |
|-----------------|-------------------------------------|-------------------------------|--------------|--------------|
| CENTRA MDS | As per feed | As per feed | As per feed | As per feed |
| CENTRA LDS | As per feed | As per feed | As per feed | As per feed |
| CENTRA LDS-HF | As per feed | As per feed | As per feed | n/a |
| CENTRA RDS | From feed quality up to 18.2 MΩ-cm* | From feed quality to <10 ppb† | <5 CFU/ml** | 0.2µm filter |
| CENTRA RDS-HF | From feed quality up to 18.2 MΩ-cm* | From feed quality to <10 ppb† | <5 CFU/ml** | 0.2µm filter |
| CENTRA S-200 | RO Permeate | Typically <100 ppb*** | <50 CFU/ml** | 0.2µm filter |
| CENTRA S-200-HF | RO Permeate | Typically <100 ppb*** | <50 CFU/ml** | <10 micron |
| CENTRA R-200 | Up to 18.2 MΩ-cm† | <10 ppb² | <5 CFU/ml** | 0.2µm filter |
| CENTRA R-200-HF | Up to 18.2 MΩ-cm† | <10 ppb² | <5 CFU/ml** | <10 micron |

System Specifications

| MODEL | HxWxD (in) | Weight (lbs) Empty | Weight (lbs) working | Typical Loop Flow Rate**** | Reservoir Volume | Electrical Requirements 115V and 11F230V |
|-----------------|---------------|--------------------|----------------------|--------------------------------|----------------------------|--|
| CENTRA MDS | 47x28.75x35 | 254 | 352 | Up to 18 L/min @ 3 Bar (45psi) | 200 Liters (53 US gallons) | 110V / 60Hz |
| CENTRA LDS | 71.7x28.75x35 | 396 | 1124 | Up to 18 L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 110V / 60Hz |
| CENTRA LDS-HF | 71.7x28.75x35 | 396 | 1124 | 38L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 208-230V / 60Hz |
| CENTRA RDS | 71.7x28.75x35 | 396 | 1124 | Up to 18 L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 110V / 60Hz |
| CENTRA RDS-HF | 71.7x28.75x35 | 396 | 1124 | 38L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 208-230V / 60Hz |
| CENTRA S-200 | 71.7x28.75x35 | 507 | 1279 | Up to 18 L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 110V / 60Hz |
| CENTRA S-200-HF | 71.7x28.75x35 | 507 | 1279 | 38L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 208-230V / 60Hz |
| CENTRA R-200 | 71.7x28.75x35 | 507 | 1279 | Up to 18 L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 110V / 60Hz |
| CENTRA R-200-HF | 71.7x28.75x35 | 507 | 1279 | 38L/min @ 3 Bar (45psi) | 350 Liters (92 US gallons) | 208-230V / 60Hz |

Feed Water Parameters

| MODEL | Source | Maximum FI* | Conductivity µS/cm | Max. Free Chlorine (ppm) | Temperature | Pressure |
|-----------------|---------|-------------|--------------------|--------------------------|--------------------|-------------|
| CENTRA MDS | Potable | n/a | n/a | n/a | 5–35° C (41–95° F) | 145 psi max |
| CENTRA LDS | Potable | n/a | n/a | n/a | 5–35° C (41–95° F) | 145 psi max |
| CENTRA LDS-HF | Potable | n/a | n/a | n/a | 5–35° C (41–95° F) | 145 psi max |
| CENTRA RDS | Potable | n/a | n/a | n/a | 5–35° C (41–95° F) | 145 psi max |
| CENTRA RDS-HF | Potable | 5 | n/a | n/a | 5–35° C (41–95° F) | 145 psi max |
| CENTRA S-200 | Potable | 5 | 1000 | 0.1 ppm | 5–35° C (41–95° F) | 58 psi max |
| CENTRA S-200-HF | Potable | 5 | 1000 | 0.1ppm | 5–35° C (41–95° F) | 58 psi max |
| CENTRA R-200 | Potable | 5 | 1000 | 0.1 ppm | 5–35° C (41–95° F) | 58 psi max |
| CENTRA R-200-HF | Potable | 5 | 1000 | 0.1ppm | 5–35° C (41–95° F) | 58 psi max |

*Subject to suitable deionization cylinder.

**Subject to correct operating and maintenance procedures.

***Subject to feed water.

****Subject to distribution loop design.



CENTRA® Packaged Central Laboratory Water Systems

CENTRA® LAB WATER SYSTEM ORDERING INFORMATION

| MODEL | Catalog Number |
|-----------------------|----------------|
| CENTRA MDS | CNXXMDM1115 |
| CENTRA LDS | CNXXLDM1115 |
| CENTRA LDS High Flow | CNHFLDM1-230 |
| CENTRA RDS | CNXXRDM1115 |
| CENTRA RDS High Flow | CNHFRDM1-230 |
| CENTRA S200 | CN200SDM1115 |
| CENTRA S200 High Flow | CNHFRS201-230 |
| CENTRA R200 | CN200RDM1115 |
| CENTRA R200 High Flow | CNHFR2M1-230 |

Consumables and Accessories

CENTRA® Lab Water System

| | |
|--|-----------|
| Composite Vent Filter | LC156 |
| Bacteriological Filter (0.2 µm) | LC157 |
| UV Lamp | LC158 |
| Pretreatment Filter (10 µm) | LC159 |
| 0.2 µm Filter 10" | FCWNF1052 |
| RO Module | LC161 |
| Dot Matrix Printer Kit | LA666 |
| CENTRA Remote Display | LA665 |
| High Recovery Reverse Osmosis Kit (S200 R200) | LA679 |

CENTRA® High Flow System

| | |
|--|-----------|
| Composite Vent Filter | LC156 |
| UV Lamp | LC158 |
| Pretreatment Filter (10 µm) | LC159 |
| 0.2 µm Filter 20" | FCWNF2052 |
| RO Module | LC161 |
| Dot Matrix Printer Kit | LA666 |
| CENTRA Remote Display | LA665 |
| Loop Booster Pump Module | LA696 |
| High Recovery Reverse Osmosis Kit (S200 R200) | LA679 |
| Temperature Control Kit | LA688 |

