

PROCESS TECHNOLOGY

CQDR Series Cascading Quick Dump Rinsers

The CQDR Series cascading quick dump rinsers reduce water usage while utilizing top spray with bottom fill for aggressive and consistent wafer rinsing. Rapid dumping action prevents recontamination of the wafer surface.

SPECIFICATIONS:

Tank Sizes:

- Range from two 4" (100mm) cassettes to two 8" (200mm) cassettes.

Standard Features:

- Durable polypropylene or PVDF construction
- Knife edge cascading inner weir overflow
- Top spray and bottom fill manifolds
- Pneumatic dump door (requires 40-80 PSIG, 275-551 kPa of nitrogen)
- Can use with most existing dump rinse controls
- Bottom fill valve with bypass flow capability
- Clear PVC process cover
- Hot DI water compatible

Options:

- QDRC dump rinse process controller
- PLC control
- Resistivity monitor
- Dual pneumatic dump doors
- UPDI water heater matched to your specification

Maximum Temperature:

- Polypropylene systems: 70°C (158°F)
- PVDF systems: 95°C (203°F)



Typical CQDR dump rinser

FEATURES AND BENEFITS:

- **Improved process results:** Continuous cascade rinse of residuals and contaminants. Simultaneous top spray and bottom fill action rinses wafers thoroughly.
- **Rapid installation:** Systems are sized to match many existing tank systems for easy retrofitting.
- **Resistivity option:** Reduces timed rinse cycles, saving money and increasing throughput.

Optional QDRC dump rinse control

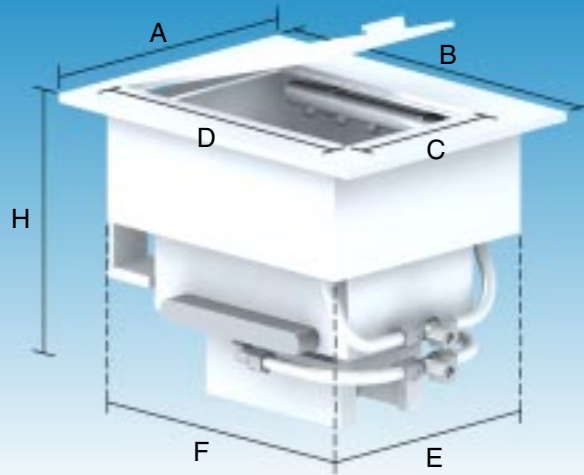
The QDRC is a self-contained dump rinse process control capable of implementing several different rinsing programs. The control is designed for panel mounting.

Four standard user selectable programming options are available. The control can sequence process steps by:

- Time
- Liquid level
- Resistivity
- Combination of the above



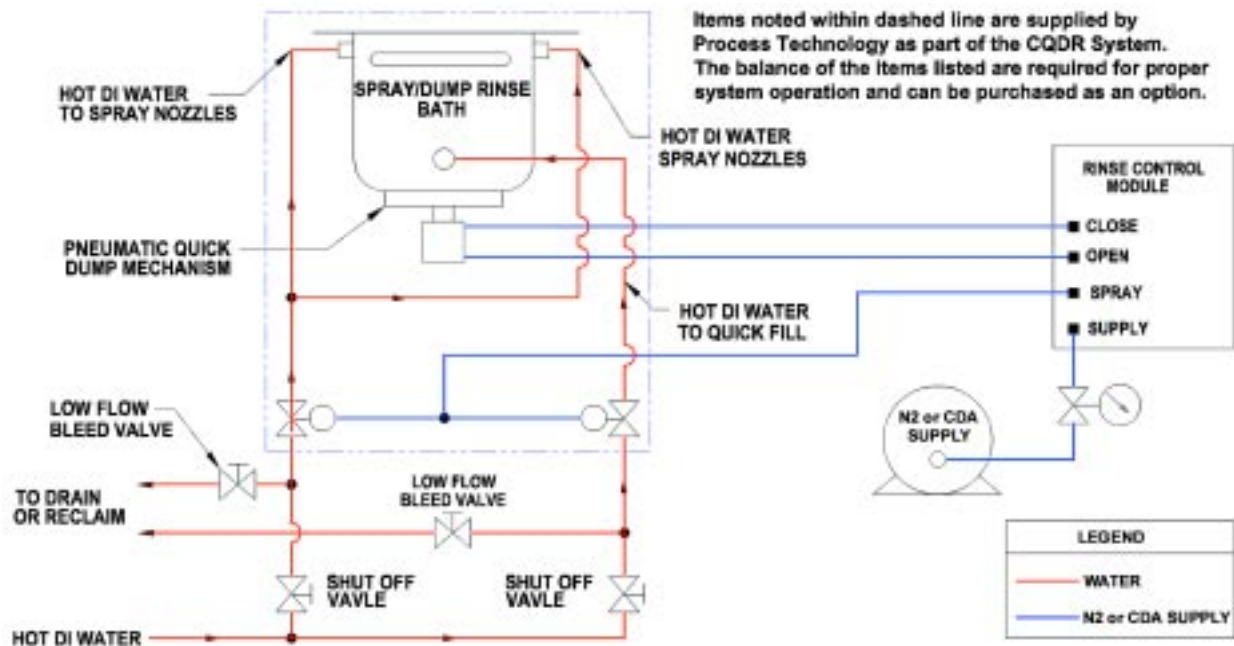
CQDR DIMENSIONS



QUICK DUMP RINSER DIMENSIONS

MODEL NUMBER	CARRIER CAPACITY	FLANGE (A x B)	INSIDE DIMENSION	DECK CUT-OUT (E x F)	LIQUID LEVEL HEIGHT	OVERALL HEIGHT (H)	L/L CAPACITY GAL./L
QDR 42	TWO - 4" (100mm)	17.0" x 13.0" (432 x 330mm)	11.5" x 7.5" (292 x 191mm)	15.5" x 11.9" (394 x 302mm)	6.0" (152mm)	13.5" (343mm)	2.2 gal (8.5 l)
QDR 52	TWO - 5" (125mm)	19.5" x 13.0" (495 x 330mm)	14.0" x 7.5" (355 x 191mm)	18.0" x 11.9" (457 x 302mm)	7.0" (178mm)	14.5" (368mm)	3.2 gal (12.0 l)
QDR 61	ONE - 6" (150mm)	13.5" x 13.5" (343 x 343mm)	8.0" x 8.0" (203 x 203mm)	12.0" x 12.4" (305 x 315mm)	8.0" (203mm)	15.5" (394mm)	2.2 gal (8.5 l)
QDR 62	TWO - 6" (150mm)	21.5" x 13.5" (546 x 343mm)	16.0" x 8.0" (406 x 203mm)	20.0" x 12.4" (508 x 315mm)	8.0" (203mm)	15.5" (394mm)	4.4 gal (16.7 l)
QDR 81	ONE - 8" (200mm)	16.5" x 16.5" (419 x 419mm)	11.0" x 11.0" (279 x 279mm)	15.0" x 15.4" (381 x 391mm)	10.0" (254mm)	17.5" (445mm)	5.2 gal (19.8 l)
QDR 82	TWO - 8" (200mm)	27.0" x 16.5" (686 x 419mm)	21.5" x 11.0" (546 x 279mm)	25.5" x 15.4" (648 x 391mm)	10.0" (254mm)	17.5" (445mm)	10.2 gal (38.7 l)

QUICK DUMP RINSE SYSTEM DIAGRAM



**PROCESS
TECHNOLOGY**