

# Quadro® Comil®

U3 SCALABLE LAB MODEL

## LAB SCALE SIZE REDUCTION

**U3 INCORPORATES MANY OF THE FEATURES OF THE POPULAR U5 MODEL INCLUDING:**

### SCALABLE REPEATABILITY

- totally scalable for capacity and granulometry
- consistent results, time after time

### LOW HEAT, DUST & NOISE

- savings in containment/collection devices
- environmentally friendly
- suitable for sizing heat sensitive materials

### EASY-TO-CLEAN, USER-FRIENDLY DESIGN

- quick tooling change
- spacerless design
- variable speed with rpm display
- low maintenance

### OPTIMUM PARTICLE DISTRIBUTION

- tight particle granulometry
- low fines

### VERSATILITY

- wide selection of screens and impellers
- positive discharge

### PATENTED WORLDWIDE TECHNOLOGY

**MEETS OR EXCEEDS REGULATORY STANDARDS INCLUDING:**



## PLUS

### LIGHTER AND MORE COMPACT DESIGN

- ideal for smaller lab areas
- more portable

### HANDLES SMALLER BATCH SIZES

- can handle batch sizes as small as 100g with **no product retention**
- ideal for Research & Development work and small scale size reduction needs

### IMPROVED CLEANABILITY

- standard NEMA 4X enclosure
- streamlined design eliminates crevices

### VERY LOW NOISE EMISSIONS



**QUADRO**

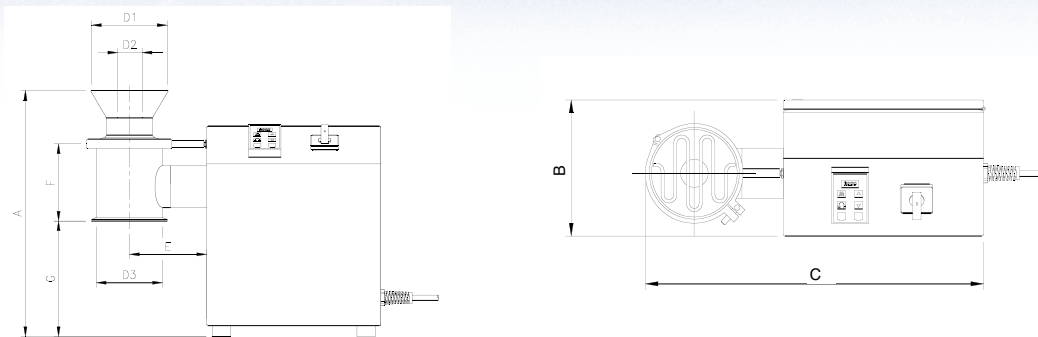
Leading Process Equipment Innovation

[www.quadro.com](http://www.quadro.com)

U3 Quadro@Comil®



# QUADRO® COMIL®



OPERATING DIMENSIONS DATA

	A	B	C	D1	D2	D3	E	F
inches	17	8	20	5.3	1.6	4*	5.2	5.3
mm	432	203	508	135	41	102*	132	135

\*Triclamp outlet 4" pipe schedule 5.

Power	0.33 Hp	.246 kW
Capacity*	min. 3 ounces	min. 100 g
Voltage	110V/220V, 1PH, 50/60 Hz	
Standard Impeller Speed	4500 rpm	
Impeller Speed Range	2,200 - 7,200 rpm	
Impeller/Screen Gap	Minimum distance - No adjustment required	

\*Capacity based on tests with granular salt with 3mm screen. Contact your local representative or Quadro for product testing.

CONSTRUCTION

	Contact	Non-Contact
Material	AISI 316L	AISI 304
	W.Nr. DIN 1.4435/1.4404	W.Nr. DIN 1.4301/1.4305
Surface Finish	Mirror	150 grit Ra
	Ra 0.10 micron	Ra 1.06 micron
O-rings	FDA compliant	
Seals	FDA compliant	
Net Weight (lbs)	50	
(kg)	23	

SCALE UP TO PRODUCTION MODELS

Models	U3	U5	U10	U20	U30
Capacity	0.5	1X	2X	10X	20X
Standard Impeller RPM	4500	3500	2400	1400	900

Contact Quadro for details on larger production models up to 120,000 lb/hr (54,500 kg/hr).

TOOLING

	Polish	Type/Size
Impellers	150 grit - mirror optional	Round/Square Arms
Screens	150 grit	Round Hole Diameter 0.009"-0.250" (0.2mm - 6.3mm)
	(Ra 1.06 micron)	Grater Hole Diameter 0.040"-0.250" (1mm - 6.3mm)
	220 EP optional	Square Hole Diameter 0.156"-0.250" (4mm - 6.3mm)

LOCAL REPRESENTATIVE



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