

Quadro® Comil®

QUADRO® COMIL® LAB SERIES

QUADRO® COMIL® LAB SERIES

LOW HEAT

- excellent for size reducing products with low melting points

LOW DUST

- savings in containment/collection devices
- minimal product loss
- environmentally-friendly

SMALL SAMPLE SIZES

- consistent and repeatable PSD results with very small batches (for some products as low as 10 grams or 0.4 oz)
- negligible product retention

OPTIMUM PARTICLE DISTRIBUTION

- tight particle granulometry
- low fines, dust and overs

USER-FRIENDLY DESIGN

- quick screen change
- easy-clean
- low maintenance

VERSATILITY

- 200 different types of screens available and dozens of impellers with many specialized tools that are interchangeable on one Comil® for multiple applications

SCALABLE

- capacities and particle size distribution are scalable to larger production units



Quadro® Comil® U3



Quadro® Comil® U5



197 Quadro® Comil®

SCALE-UP CHART TO PRODUCTION MODELS

(USING THE SAME SCREEN AND IMPELLER)

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

	Lab		Production		
Overdriven Models	197	194	196	198	199
Capacity	1X	5X	10X	20X	40X
Standard Impeller RPM	2400	1400	900	450	350

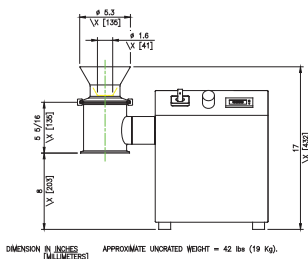
QUADRO® COMIL®

	U3 Lab Package For Lab and R&D	U5 Lab Package For Pilot & Development	197 Lab Package For Pilot and R&D
Construction:	305 stainless steel with 316L stainless steel product contact parts.	305 stainless steel with 316L stainless steel product contact parts.	305 stainless steel. Other materials optional.
Surface Finish:	Product contact mirror polished (Ra 0.10 micron), non-contact surfaces 150 grit (Ra 1.06 micron); welds cleaned and polished and all material contact welds ground flush and polished.	Product contact surfaces mirror polished (Ra 0.10 micron), non-contact surfaces 150 grit (Ra 1.06 micron); welds cleaned and polished and all material contact welds ground flush and polished.	Average 150 grit (Ra 1.06 micron) surface finish throughout; welds cleaned and polished and all material contact welds ground flush and polished.
Infeed Opening:	1.6" (41 mm) diameter with grid bars to prevent operator access to the rotating impeller.	3.25" (83 mm) diameter with grid bars to prevent operator access to the rotating impeller.	3" (76 mm) diameter with grid bars to prevent operator access to the rotating impeller.
Infeed Chute:	Hand-fed funnel, 5.3" diameter x 3.5" high (135 mm x 89 mm) with magnetic actuated safety interlock.	Hand-fed funnel, 6.4" diameter x 5" high (163 mm x 127 mm) with magnetic actuated safety interlock.	Hand-fed funnel, 10" diameter x 6" high (254 mm x 152 mm).
Spindle Assembly:	Sanitary pharmaceutical duty with pre-lubricated, sealed bearings, viton O-ring, two shaft seals, and double varilip seal in a stainless casing. Also suitable for use with vacuum.	Sanitary pharmaceutical duty with pre-lubricated, sealed bearings, viton O-ring, two shaft seals, and double varilip seal in a stainless casing. Also suitable for use with vacuum.	Sanitary pharmaceutical duty with pre-lubricated, sealed bearings, viton O-ring, two shaft seals, and single varilip seal in a stainless steel casing. Also suitable for use with vacuum.
Impeller Speed:	Approximately 2200 - 7200 RPM.	Approximately 1000 - 6500 RPM.	Approximately 1300 - 4700 RPM.
Capacities:	Varies based on tooling, feed and speed used.		
Discharge:	4" (102 mm) tri-clamp discharge pipe schedule 5, grid mesh for added safety protection.	6" (152mm) tri-clamp discharge, grid mesh for added safety protection.	Quick Release - "swing away" screen retaining shroud, 6" (152 mm) diameter with flared collar for easy bag or dust sock connection, grid mesh for added safety protection, and magnetic actuated safety interlock.
Motor:	0.33 HP, non-XP, TEFC, variable speed AC motor with Quadro's custom washdown features for enhanced durability and protection.	0.5 HP, non-XP, TEFC, variable speed AC motor with Quadro's custom washdown features for enhanced durability and protection.	1.5 HP, non-XP, TEFC, variable speed 180VDC motor with Quadro's custom washdown features for enhanced durability and protection.
Controller:	Single phase, variable speed controller with cord and plug. UL listed, CSA recognized.	Single phase, variable speed controller with cord and plug. UL listed, CSA recognized.	Single phase, variable speed controller with cord and plug. UL listed, CSA recognized.

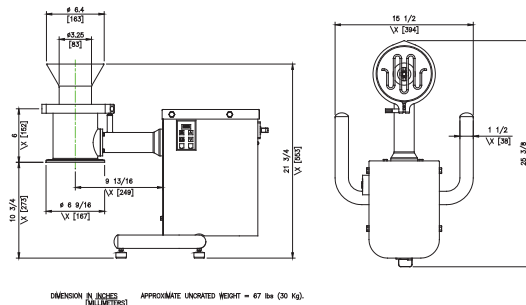
* Consult Quadro for customized designs including EX and XP.

SPECIFICATIONS

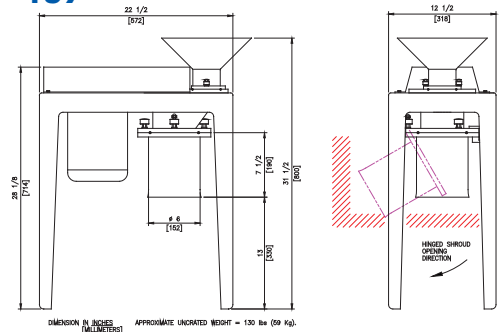
U3



U5



197



LOCAL REPRESENTATIVE



Quadro Engineering Corp.
613 Colby Drive
Waterloo, ON, CA N2V 1A1
T 519-884-9660
F 519-884-0253
sales@quadro.com
www.quadro.com

Quadro (US) Inc.
55 Bleeker Street
Millburn, NJ, USA 07041-1414
T 973-376-1266
F 973-376-3363
sales@quadro.com
www.quadro.com