

# Fume Hoods

## High Performance Fume Hood

For over 70 years, ICI has been developing innovative and purpose driven products for the research and healthcare industries. Our highly experienced team of engineers and designers are proud to introduce our latest effort: Isolator<sup>3</sup>. Isolator<sup>3</sup> is the latest generation of energy saving high performance fume hoods, built upon extensive R&D. Utilizing computational fluid dynamics, ICI was able to develop a safe and superior operating environment without the need for additional components to add or inject air into the hood chamber. By controlling baffle pressurization, Isolator<sup>3</sup> achieves the proper capture and containment at a 60 FPM face velocity. Additionally, we do it with a sash opening of 24" (61 cm). JMP's chemical exhaust fume hoods meet or exceed SEFA 1 standards.



### Features:

- 24" (61 cm) deep clear interior
- Low static rectangular exhaust duct
- Integral stainless steel 12" (30.5 cm) round duct transition
- Slotted rear baffle for even plenum balance
- Safe operation at 60 fpm
- Chemically resistant white Poly glass liner
- UL1805 listed, ANSI/ASHRAE 110-1995, UL1275
- Three year hood superstructure warranty
- Chain & Sprocket sash mechanism with the exclusive ICI lifetime warranty
- Exclusive standard 43 1/2" (110.5 cm) tall full view sash area
- Easy conversion from VAV to CAV
- Tempered glass sash with full-length formed steel handle for a neat, clean appearance and streamline air passage
- Standard Color: Pearl White
- Two pre-wired 120V 20 amp GFCI duplex receptacles
- One pre-wired 20 amp light switch
- Pre-wired vapor tight T8 fluorescent light fixture
- Each hood side post and interior is punched and plugged to receive 5 service fixtures
- Upper left side post is punched for optional fan switch
- One pre-wired outlet on roof of hood for an optional alarm
- Upper right side post is punched for optional alarm

			Total CFM & Static Pressure			
Isolator <sup>3</sup> Part Number with frame less vertical sash	Overall Hood Width	Sash Opening Area (Sq Ft)	24" (61 cm) Vertical Opening @ 60 FPM Face Velocity	S.P. Loss	18" (45.7 cm) Vertical Opening @ 80 FPM Face Velocity	S.P. Loss
78980-92	4'-0" (121.9 cm)	6.3	380 CFM	0.21"	380 CFM	0.12"
78980-93	5'-0" (152.4 cm)	8.3	500 CFM	0.20"	500 CFM	0.11"
78980-94	6'-0" (182.9 cm)	10.3	620 CFM	0.31"	620 CFM	0.17"

