



HIGHEST-PERFORMANCE BLOWN FILM COOLING

ic INTENSIVE COOLING

output Increase 10-50%



INTENSIVE COOLING PRODUCTS

• icEGC

Intensive Cooling External Gauge Control

• icMGC

Intensive Cooling Manual Gauge Control

• icLFR

Intensive Cooling Laminar Flow Ring



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ADVANCING STATE-OF-THE-ART COOLING TECHNOLOGY

ADDEX

ADVANCING STATE-OF-THE-ART COOLING TECHNOLOGY INTENSIVE COOLING AIR RINGS

PATENT: www.addexinc.com/patents



Short-Stack for even more cooling . . . because two is better than one!





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UNIQUE FEATURES

- Intensive Cooling Air Rings deliver a guaranteed 10%-15% increase in output and better bubble stability—over and beyond Addex's already high-performance, industry-standard dual-flow air ring design
- Lower lip is transformed into a high-velocity air stream, adding additional locking point for significant increase in bubble stability
- Also includes all secondary air collar locking points found with the original air ring design
- No negative impact on film properties
- 🛛 With Operator-Assist Technology!
- Allows broader range of processes, blow-up ratios, thicknesses and materials, with minimal adjustments compared to conventional air rings
- Sealed & insulated to top of die for minimal heat transfer

SHORT-STACK INTENSIVE COOLING

- Enclosed, two-level, stacked Intensive **Cooling System**
- Low-melt strength output gains 15-20%
- High-melt strength output gains up to 50%!
- Rock-solid bubble stability
- Air ring is 2-4" oversized above the die, depending on application
- Runs with IBC for die sizes 12" and greater
- 🛛 With Operator-Assist Technology!
- Sufficient extruder and blower capacity required to support tremendous output gains of Short-Stack Intensive Cooling



Intensive Cooling is compatible with all Addex products:

EGC

Automatic Profile External Gauge Control

- MGC
- Manual Gauge Control
- LFR

Laminar Flow Ring

DIBC

Digital Internal Bubble Cooling

SPECS				
Die Size icEGC	Die Size icLFR / icMGC	Ø	Number of Air Inlets x Ø	Number of Control Zones**
n/a	3"-6" * 75-150mm*	36" 915mm	6 x 3"/76mm	96
6"-8" 100-200mm	6"-12" 150-315mm	48" 1220mm	6 x 4"/102mm	90-132
8"-16" 200-400mm	13"-20" 325-500mm	56" 1423mm	6 x 4"/102mm	120-168
16"-24" 400-600mm	21" – 28" 525-700mm	64" 1626mm	8 x 4"/102mm	168-216
24"-36" 600-900mm	29"-40" 725-1000mm	76" 1931mm	10 x4"/102mm	224-304

* this size for non-IBC systems only

** number of control zones varies with application Larger sizes available upon request

INTENSIVE COOLING AIR REQUIREMENTS

	US	METRIC
ic AIR RING	(D"+2) x 200 = CFM	(D mm+50) x 13.3 = m ³ /h
ic SHORT-STACK	(D"+6) x 250 = CFM	(D mm+150) x 16.7 = m ³ /h
	@ 80ºF & 30" H ₂ 0	@ 27°C & 6.2 kPa

@ 80°F & 30" H₂0

LEGEND

NOTE: Precision blower and die profile information required at time of order.

> IBC improves efficiency when used in combination with Intensive Cooling. Compatible IBC hardware is available and required for any existing IBC system.

