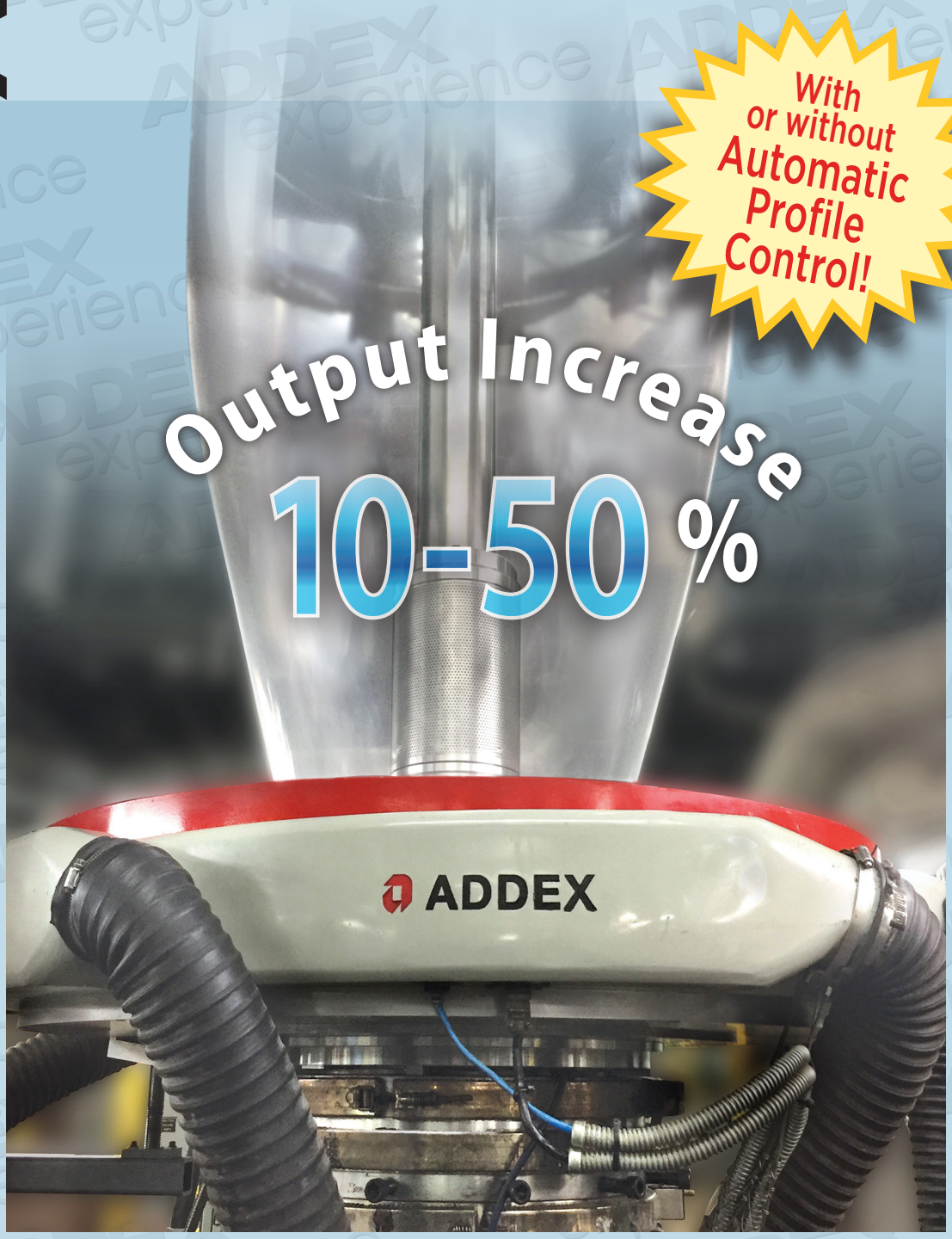
ADDEX

HIGHEST-PERFORMANCE BLOWN FILM COOLING

ic INTENSIVE COOLING



INTENSIVE COOLING PRODUCTS

- **icEGC**
  Intensive Cooling External Gauge Control
- **icLFR**
  Intensive Cooling Laminar Flow Ring
- **Multi-Inlet or Single Inlet Plenum**
  (SIP–*patent pending*)

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Intensive Cooling TECHNOLOGY

INTENSIVE COOLING **AIR RINGS**

PATENT: www.addexinc.com/patents

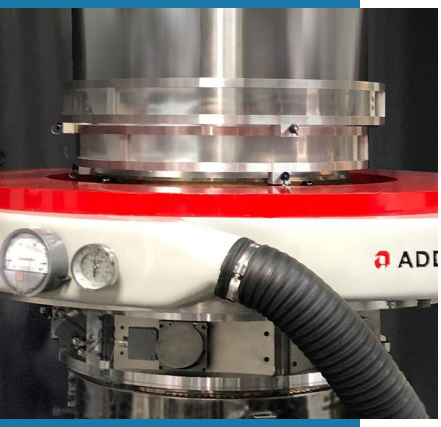
Intensive Cooling UNIQUE FEATURES

- **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
- 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

SPECS

Die Size icEGC	Die Size icLFR		Number of Air Inlets x ø	Number of Control Zones**
n/a	4"-6" * 100-150mm*	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



SHORT-STACK INTENSIVE COOLING

- Enclosed, two-level, stacked **Intensive Cooling System**
- Low-melt strength output gains 20-30%
- 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
- Sufficient extruder and blower capacity required to support tremendous output gains of **Short-Stack Intensive Cooling**

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

INTENSIVE COOLING REQUIREMENTS

Compatible IBC hardware is available and required for any existing IBC system that is within 1"/25mm of the die lip.

	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_2O	@ 27ºC & 6.2 kPa

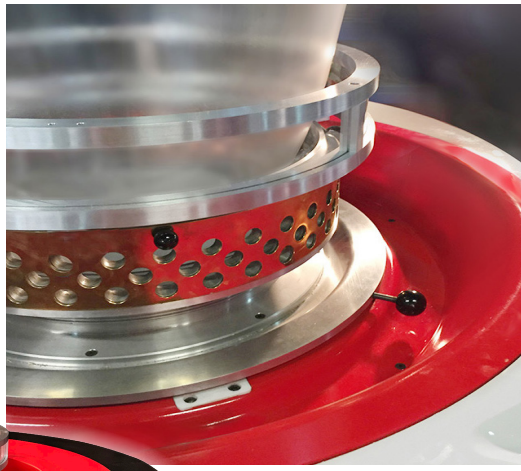
LEGEND

D" = Die diameter in inches
CFM = Cubic feet per minute
F = Degrees Fahrenheit
H_2O = Inches water pressure unit
D mm = Die diameter in mm
m^3/h = Cubic meters per hour
C = Degrees Celsius
kPa = Kilopascal pressure unit

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

AIR RING FEATURES

- EGC/LFR available with Intensive Cooling to boost output an additional 10-15% & improve stability
- Proven, state-of-the-art dual lip air ring
- LFR suitable with rotating, oscillating, or stationary dies. EGC suitable with oscillating or stationary dies
- Low turbulence, low pressure, high-volume air flow
- Adjustability allows air distribution between lower lip & secondary lip
- Differential pressure gauge & bimetallic thermometer
- Standard BUR air collar (Low BUR/Big BUR collars available)
- Standard teflon groove seals/bearings



Single Inlet Plenum
(**SIP**–*patent pending*)
available

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