




**International Temperature Control, INC.**  
The Value Leader in Hot Runner Mold Temperature Control Systems


## Temperature Control Systems

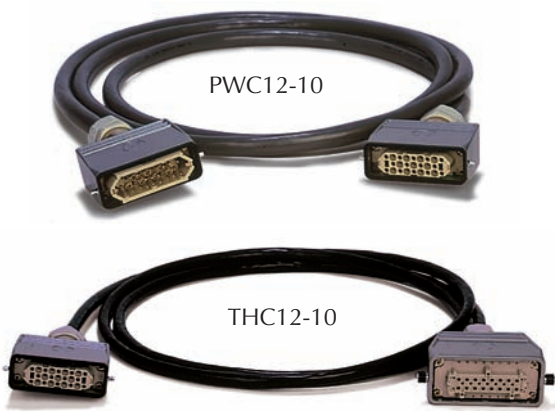


- Features**
- Full Compliment of Systems**
- Reliability**
- Simplicity of Operation**
- Exceptional Value**
- Customer Service**

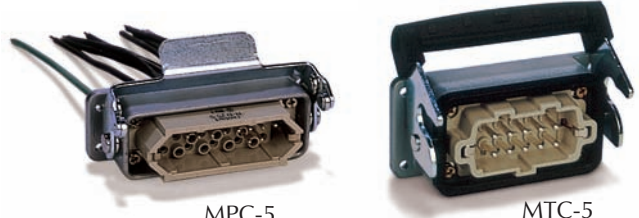
All ITC's temperature control systems, associated components and accessories are ruggedly reliable, easy to use and maintain. Our simple down-to-earth design makes them highly adaptable in ever changing manufacturing environments. Affordability, adaptability, superior features and a 2-year limited warranty equates to a quick payback, improved molding cycles, less down time, reduced operating costs and an improved bottom line.

	PORTABLE FLOOR STANDS	
	Part No	Use With
	PFS-1	MF1, MF2 & MFHP-1
	PFS-5	MF5 & MFHP-3
PFS-812	MF8, MF12 & MFHP-6	
Manufactured of heavy gage steel tubing and provided with swivel & lockable casters. Stands are shipped un-assembled.		

TRANSFORMER PACKAGES		
Step-down 480v to 240v 3-phase		
TP-6-5	6 kva with 5 zone stand	
TP-9-8	9 kva with 8 zone stand	
TP-15-8	15 kva with 8 zone stand	
TP-15-12	15 kva with 12 zone stand	
TP-30-8	30 kva with 8 zone stand	
TP-30-12	30 kva with 12 zone stand	
TP-45-12	45 kva with 12 zone stand	
Pre-wired and assembled – includes Transformer, Welded stand with casters, Fused disconnect and 10 ft. AC input power cable (no connector on end).		

	MOLD CABLES			
	Power	(Amps)	Length	Thermocouple
	PWC5-10	(15)	10 FT.	THC5-10
	PWC5-20	(15)	20 FT.	THC5-20
	PWC8-10	(15)	10 FT.	THC8-10
	PWC8-20	(15)	20 FT.	THC8-20
	PWC12-10	(15)	10 FT.	THC12-10
	PWC12-20	(15)	20 FT.	THC12-20
	PWCHP3-10	(30)	10 FT.	
	PWCHP3-20	(30)	20 FT.	
	PWCHP6-10	(30)	10 FT.	
	PWCHP6-20	(30)	20 FT.	

Custom lengths and connector configurations are available upon request.

Mold Power Connectors have 6' leads with ground wire.		MOLD CONNECTORS		
	Power	(Amps)	Thermocouple	
	MPC-5	(15)	MTC-5	
	MPC-8	(15)	MTC-8	
	MPC-12	(15)	MTC-12	
	MPCHP-3	(30)		
	MPCHP-6	(30)		

## CONNECTOR KITS

Number	(Amps)	Description
MEK-5TC	(15)	Cable, Mold End Kit, 5 Zone, Thermocouple (Female)
MEK-8TC	(15)	Cable, Mold End Kit, 8 Zone, Thermocouple (Female)
MEK-12TC	(15)	Cable, Mold End Kit, 12 Zone, Thermocouple (Female)
MEK-PR	(15)	Cable, Mold End Kit, 5, 8 & 12 Zone, Power (Female)
FEK-PR	(15)	Cable, Frame End Kit, 5, 8 & 12 Zone, Power (Male)
FEK-TC	(15)	Cable, Frame End Kit, 5, 8 & 12 Zone, Thermocouple (Female)
FCK-PR	(15)	Main Frame, Connector, 5, 8 & 12 Zone, Power (Female)
FCK-TC	(15)	Main Frame, Connector, 5, 8 & 12 Zone, Thermocouple (Male)
MF-EC	All	Card Edge Connector Kit w/Contacts - All Main Frames
MF-ECC	All	Card Edge Connector - Contacts - All Main Frames
MF-CG	All	Card Guide, 6" - All Main Frames
ABC-15	All	Module Fuse - Special Fast Blow
MEKHP-3PR	(30)	Cable, Mold End Kit, 3 Zone, Power (Female) (High Power)
MEKHP-6PR	(30)	Cable, Mold End Kit, 6 Zone, Power (Female) (High Power)
FEKHP-3PR	(30)	Cable, Frame End Kit, 3 Zone, Power (Male) (High Power)
FEKHP-6PR	(30)	Cable, Frame End Kit, 6 Zone, Power (Male) (High Power)
FCKHP-3PR	(30)	Main Frame, Connector, 3 Zone, Power (Female) (High Power)
FCKHP-6PR	(30)	Main Frame, Connector, 6 Zone, Power (Female) (High Power)



MEK-12TC



FCK-PR



MEK-PR



FCK-TC



FEK-PR

## 1 & 2 ZONE CONNECTOR KITS (Combination Power & T/C)

Number	(Amps)	Description
1Z-ME	(15)	Cable End, Male Connector, 1 & 2 Zone
1Z-FE	(15)	Cable End, Female Connector, 1 & 2 Zone
1Z-MC	(15)	Mold Connector, Male, 1 & 2 Zone
1Z-FC	(15)	Frame Connector, Female, 1 & 2 Zone
1Z-MEL	(15)	Cable Coupler Hood, w/Latch, Male, 1 & 2 Zone
1Z-ME90	(15)	Cable End, Male Connector, 90°
1Z-IPP	(15)	Input Power Cord Plug, Female
MPTCHP-1	(30)	Mold Connector, 1 & 2 Zone (Male) (High Power)



1Z-FC



1Z-MC



1Z-ME



1Z-ME90



1Z-MEL



1Z-FE

## 1 & 2 ZONE CABLES (Combination Power & T/C)

Number	(Amps)	Length
PTC1-10	(15)	10 ft. long
PTC1-20	(15)	20 ft. long
PTCHP1-10	(30)	10 ft. long (High Power)
PTCHP1-20	(30)	20 ft. long (High Power)



Custom Lengths and configurations are available upon request.

- Main Frames, Temperature Control Modules, Cables and other components are all sold separately.
- Please specify Voltage and Current requirements when ordering.
- ITC will gladly modify standard main frames, cables, etc., to accommodate your application.
- All modular components are "G" series compatible.

## MAIN FRAME HARNESSSES

Power	Zones	Thermocouple
MF-PH5	5	MF-TH5
MF-PH8	8	MF-TH8
MF-PH12	12	MF-TH12



MF-PH12



MF-TH12

## MOLD WIRING JUNCTION BOX (EMPTY)



Part Number	Zones
MJB-5	5
MJB-8	8
MJB-12	12

Connectors must be ordered separately.

## MOLD WIRING JUNCTION BOX (PRE-WIRED)



Part Number	Zones
MJBW-8	8
MJBW-12	12

Pre-wired with terminal strip & connectors.



## MAIN FRAME BLANK PANEL

MFBP	Fits all 15 & 30 amp main frames.
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## STANDARD ITC 15 AMP MAIN FRAME



MF1



MF2



MF5-150



MF8-150



MF24-250



MF12-150

MF1	1-Zone
MF2	2-Zone
MF5-150	5-Zone w/50 amp breaker
MF8-150	8-Zone w/50 amp breaker
MF12-150	12-Zone w/50 amp breaker
MF16-250	16-Zone w/(2) 50 amp breakers
MF16-170	16-Zone w/70 amp breaker
MF20-250	20-Zone w/(2) 50 amp breakers
MF20-170	20-Zone w/70 amp breaker
MF24-250	24-Zone w/(2) 50 amp breakers
MF24-170	24-Zone w/70 amp breaker
MF28-350	28-Zone w/(3) 50 amp breakers
MF32-350	32-Zone w/(3) 50 amp breakers
MF40-450	40-Zone w/(4) 50 amp breakers
MF44-450	44-Zone w/(4) 50 amp breakers
MF48-450	48-Zone w/(4) 50 amp breakers

## STANDARD ITC 30 AMP (HIGH POWER) MAIN FRAME



MFHP-1-130	1-Zone w/30 amp breaker
MFHP-3-150	3-Zone w/50 amp breaker
MFHP-6-1100	6-Zone w/100 amp breaker

All ITC 15 & 30 amp Main Frame use our standard S20-D3C & UATC-20 control modules. Unless otherwise specified all main frames are 240v, 3-phase except MF1 & MF2 which are 240v single phase.

All components are neatly contained within the main frame. Special or Larger Control Systems are available upon request.

Stacks of 2 or more main frames are rigidly fastened together into a single prewired unit.

## VISIONS 3000 INTELLIGENT TEMPERATURE CONTROL SYSTEM

VCS-16-16-70	16 - Zone w/70 amp breaker	VCS-96-82-150	82 - Zone w/150 amp breaker
VCS-32-18-100	18 - Zone w/100 amp breaker	VCS-96-84-150	84 - Zone w/150 amp breaker
VCS-32-20-100	20 - Zone w/100 amp breaker	VCS-96-86-150	86 - Zone w/150 amp breaker
VCS-32-22-100	22 - Zone w/100 amp breaker	VCS-96-88-150	88 - Zone w/150 amp breaker
VCS-32-24-100	24 - Zone w/100 amp breaker	VCS-96-90-150	90 - Zone w/150 amp breaker
VCS-32-26-100	26 - Zone w/100 amp breaker	VCS-96-92-150	92 - Zone w/150 amp breaker
VCS-32-28-100	28 - Zone w/100 amp breaker	VCS-96-94-150	94 - Zone w/150 amp breaker
VCS-32-30-100	30 - Zone w/100 amp breaker	VCS-96-96-150	96 - Zone w/150 amp breaker
VCS-32-32-100	32 - Zone w/100 amp breaker	VCS-112-98-175	98 - Zone w/175 amp breaker
VCS-48-34-125	34 - Zone w/125 amp breaker	VCS-112-100-175	100 - Zone w/175 amp breaker
VCS-48-36-125	36 - Zone w/125 amp breaker	VCS-112-102-175	102 - Zone w/175 amp breaker
VCS-48-38-125	38 - Zone w/125 amp breaker	VCS-112-104-175	104 - Zone w/175 amp breaker
VCS-48-40-125	40 - Zone w/125 amp breaker	VCS-112-106-175	106 - Zone w/175 amp breaker
VCS-48-42-125	42 - Zone w/125 amp breaker	VCS-112-108-175	108 - Zone w/175 amp breaker
VCS-48-44-125	44 - Zone w/125 amp breaker	VCS-112-110-175	110 - Zone w/175 amp breaker
VCS-48-46-125	46 - Zone w/125 amp breaker	VCS-112-112-175	112 - Zone w/175 amp breaker
VCS-48-48-125	48 - Zone w/125 amp breaker	VCS-128-114-200	114 - Zone w/200 amp breaker
VCS-64-50-125	50 - Zone w/125 amp breaker	VCS-128-116-200	116 - Zone w/200 amp breaker
VCS-64-52-125	52 - Zone w/125 amp breaker	VCS-128-118-200	118 - Zone w/200 amp breaker
VCS-64-54-125	54 - Zone w/125 amp breaker	VCS-128-120-200	120 - Zone w/200 amp breaker
VCS-64-56-125	56 - Zone w/125 amp breaker	VCS-128-122-200	122 - Zone w/200 amp breaker
VCS-64-58-125	58 - Zone w/125 amp breaker	VCS-128-124-200	124 - Zone w/200 amp breaker
VCS-64-60-125	60 - Zone w/125 amp breaker	VCS-128-126-200	126 - Zone w/200 amp breaker
VCS-64-62-125	62 - Zone w/125 amp breaker	VCS-128-128-200	128 - Zone w/200 amp breaker
VCS-64-64-125	64 - Zone w/125 amp breaker		
VCS-80-66-150	66 - Zone w/150 amp breaker		
VCS-80-68-150	68 - Zone w/150 amp breaker		
VCS-80-70-150	70 - Zone w/150 amp breaker		
VCS-80-72-150	72 - Zone w/150 amp breaker		
VCS-80-74-150	74 - Zone w/150 amp breaker		
VCS-80-76-150	76 - Zone w/150 amp breaker		
VCS-80-78-150	78 - Zone w/150 amp breaker		
VCS-80-80-150	80 - Zone w/150 amp breaker		

Unless otherwise specified all VISIONS 3000 systems are 240v, 3-phase.

Systems are available for both 15 and 30 amp zones.

VISIONS 3000 offered with standard Key-pad Interface or Optional Touch-screen interface.

Valve Gate Sequencing Option.

Special or Larger Control Systems, as well as Dual or Low Voltage Systems are available upon request.

