




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


Temperature Control Systems

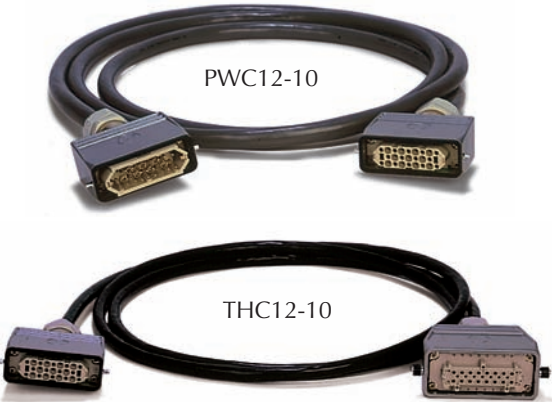


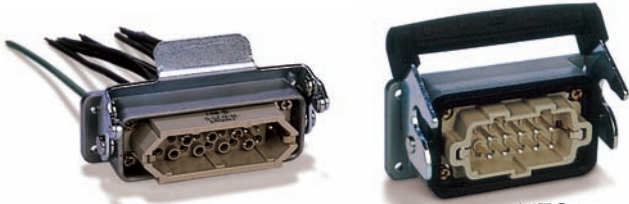
- Features**
- Full Compliment of Systems**
- Reliability**
- Simplicity of Operation**
- Exceptional Value**
- Customer Service**

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 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 HARNESSES

| 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. |
|------|-----------------------------------|

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.

