

# High Temp Oven

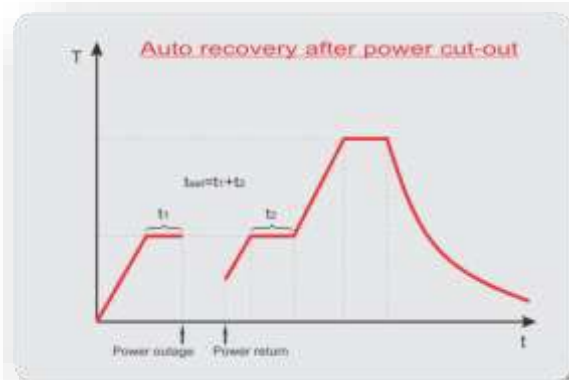
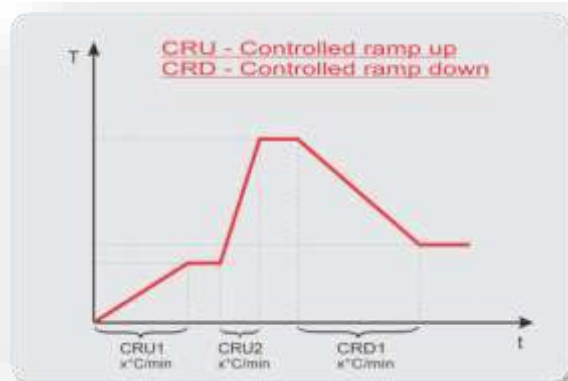
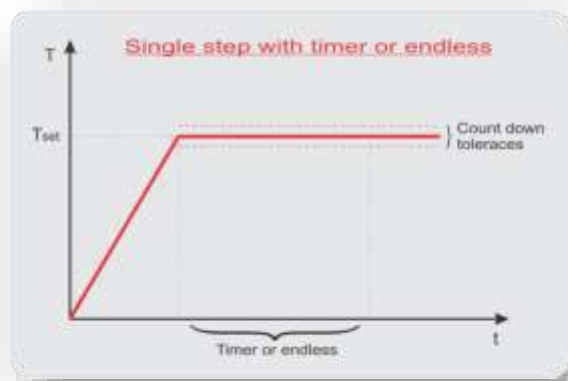
**Withnell Sensors**  
Data Loggers, Thermocouples & Calibration







- ✓ Heat treatment for stress release
- ✓ Heat treatment for sintering
- ✓ High temperature drying
- ✓ Molds preheating
- ✓ Fills curing



Controller functions:



**Technical data:**

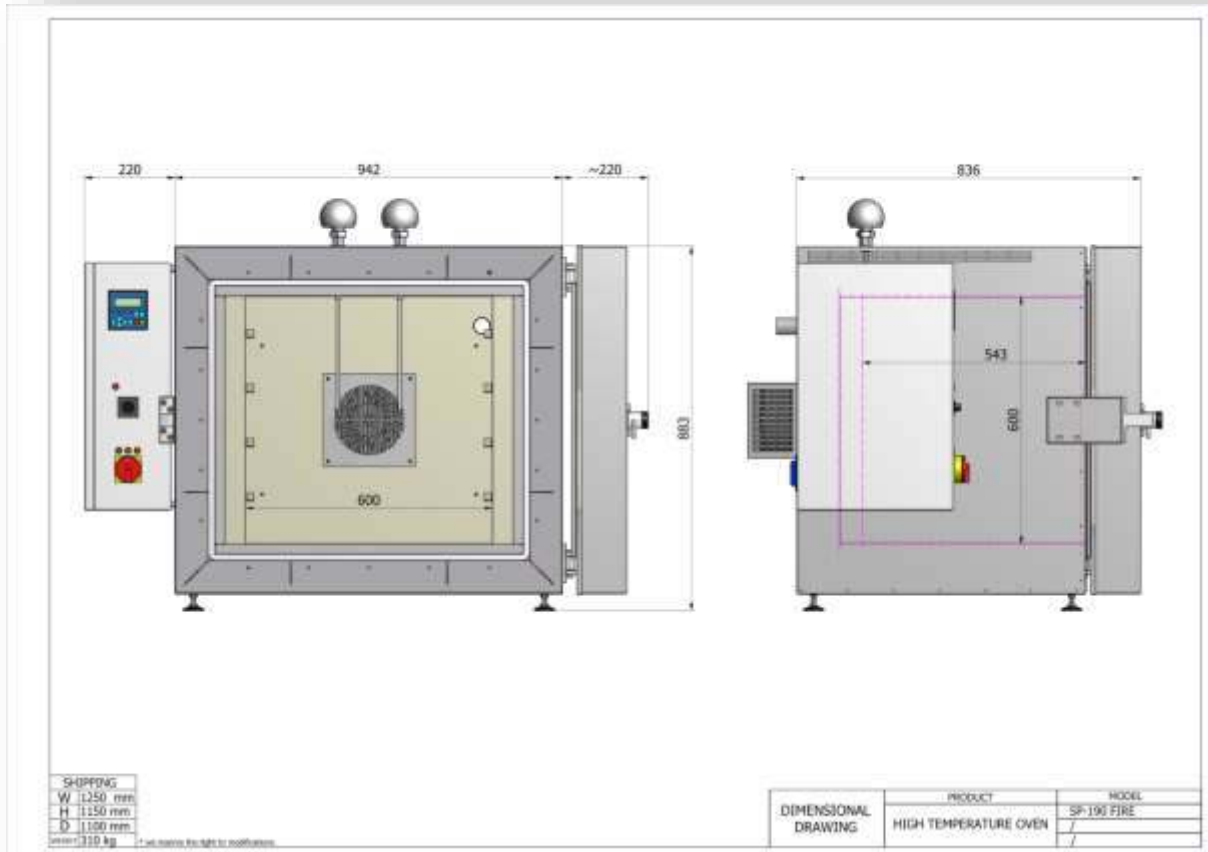
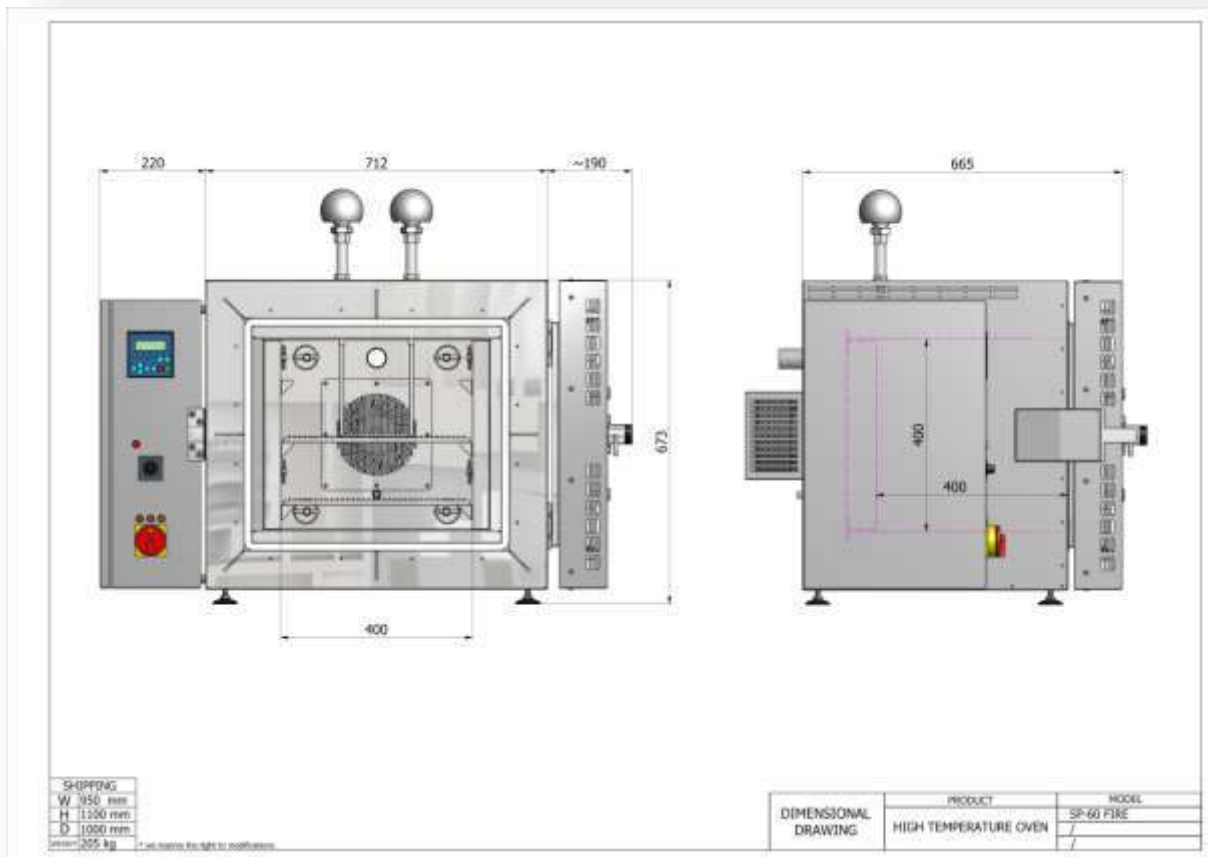
|                                     | <b>SP - 60 C<br/>FIRE</b>   | <b>SP - 190 C<br/>FIRE</b>  | <b>SP - 420 C<br/>FIRE</b>   | <b>SP - 875 C<br/>FIRE</b>  |
|-------------------------------------|---|---|--|---|
|                                     |  |  |  |  |
| External dimensions (WxHxD) in mm   | 712 x 673 x 655   | 942 x 883 x 836   | 1062x973x1030  | 1461 x 1768 x 1066  |
| Internal dimensions (WxHxD) in mm   | 400 x 400 x 400   | 600 x 600 x 543   | 750 x 700 x 755  | 998 x 1250 x 700  |
| Volume (L)                          | 64  | 190   | 400  | 875   |
| Temperature range (°C)              | T <sub>ambient</sub> +10...600  | T <sub>ambient</sub> +10...600  | T <sub>ambient</sub> +10...600   | T <sub>ambient</sub> +10...600  |
| Temperature display resolution (°C) | 0,1   | 0,1   | 0,1  | 0,1   |
| Temperature set resolution (°C)     | 1   | 1   | 1  | 1   |
| Temperature stability (°C)          | ±0,5°C@200°C<br>±0,5°C@350°C<br>±1,0°C@500°C                                      | ±1,0°C@200°C<br>±1,0°C@350°C<br>±1,0°C@500°C                                      | ±1,0°C@200°C<br>±1,0°C@350°C<br>±1,0°C@500°C                                       | ±1,0°C@200°C<br>±1,0°C@350°C<br>±1,0°C@500°C  |
| Shelves                             | 2 (max 3)   | 2 (max 4)   | 2 (max 4)  | 2 (max 8)   |
| Shelve capacity (kg)                | 25  | 30  | 50   | 50  |
| Max capacity (kg)                   | 50  | 100   | 300  | 400   |
| Exhaust (mm)                        | Ø40   | Ø40   | 2 x Ø40  | 2 x Ø40   |
| Heat-up rate                        | 10°C / min  | 10°C / min  | 7°C / min  | 5°C / min   |
| Temperature control                 | PID   | PID   | PID  | PID   |
| Power supply                        | 3x400V,50Hz<br>(230V,50Hz-optional)   | 3x400V,50Hz   | 3x400V,50Hz  | 3x400V,50Hz   |
| Wattage (W)                         | 6300<br>(3200)  | 9000  | 18000  | 18000   |
| Interface                           | RS-232<br>(USB, Ethernet as accessory)  | RS-232<br>(USB, Ethernet as accessory)  | RS-232<br>(USB, Ethernet as accessory)   | RS-232<br>(USB, Ethernet as accessory)  |
| Access port (mm)                    | Ø40   | Ø40   | Ø40  | Ø40   |
| Noise (dBA) @ 1 m distance          | 64  | 64  | 65   | 65  |
| Weight (kg)                         | ~185  | ~270  | ~390   | ~480  |

**Ordering information and accessories:**

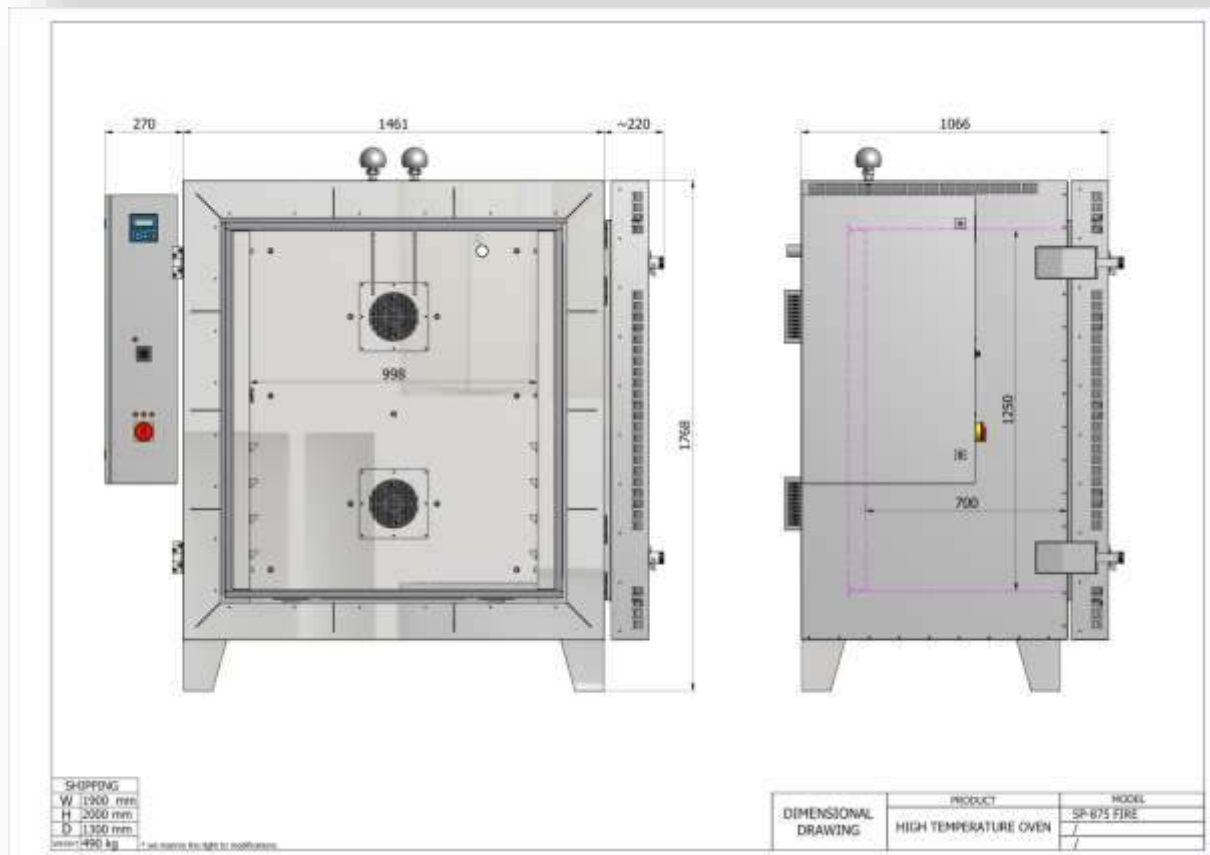
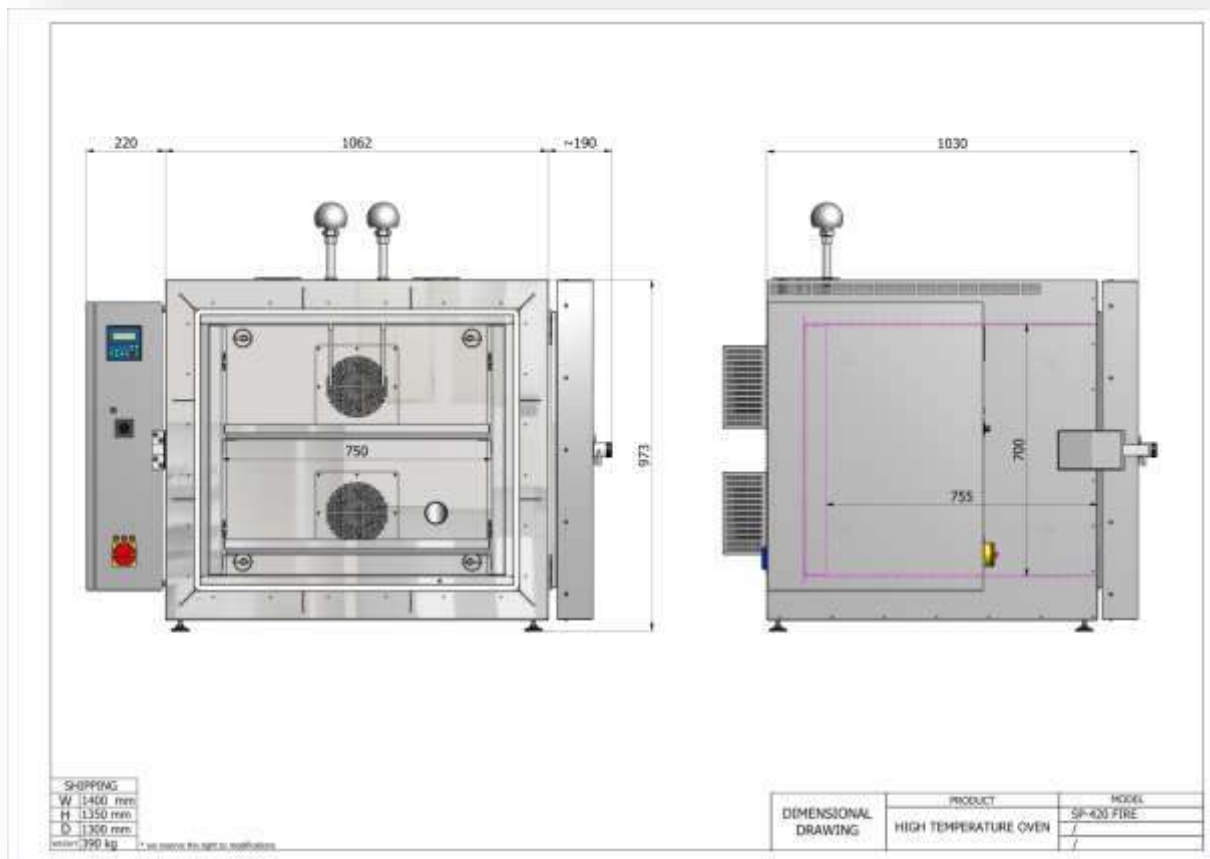
| Description  | Part no. |
|--|----------|
| High temperature oven SP – 60 C FIRE   | 332      |
| High temperature oven SP – 190 C FIRE  | 330      |
| High temperature oven SP – 420 C FIRE  | 479      |
| High temperature oven SP – 875 C FIRE  | 2547     |
| Additional wire shelve for SP – 60 C FIRE  | 467      |
| Additional wire shelve for SP – 190 C FIRE   | 468      |
| Additional wire shelve for SP – 420 C FIRE   | 377      |
| Additional wire shelve for SP – 875 C FIRE   | 2620     |
| Exhaust fan unite combo. Combination with controlled intake and exhaust QS flaps and local fume hood above doors. *see photo below | 63       |
| USB interface  | 1466     |
| Ethernet interface   | 1716     |
| PC Software for Monitoring & History   | 1663     |
| Evaluation report  | 1719     |
| Trolley for SP – 60 C FIRE   | 2621     |
| Trolley for SP – 190 C FIRE  | 2622     |
| Trolley for SP – 420 C FIRE  | 2623     |

**Exhaust fan unite combo:**









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# Get in Touch

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