

**TECHNICAL DATA FOR PYRO-CHEM KITCHEN KNIGHT II**  
**RESTAURANT FIRE SUPPRESSION SYSTEM**

**1.0 WET CHEMICAL AGENT**

Type : Potassium carbonate-based solution  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300  
 Other features : No adverse effects on stainless steel appliance, hoods & ducts.

**2.0 CYLINDERS**

Type : Welded  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Tank size : PCL-160 (1.6 Gallon)  
                   PCL-300 (3 Gallon)  
                   PCL-460 (4.6 Gallon)  
                   PCL-600 (6 Gallon)  
 Working pressure : 225 psig @ 70°F  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300

**3.0 DISCHARGE VALVE**

Type : Pressure sealed poppet  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300  
 Other features : Incorporate with stainless steel bourdon tube pressure gauge.

**4.0 DISCHARGE NOZZLE**

Type : Chrome plated  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300  
 Other features : Supplied with blow-off caps to prevent clogging.  
                   : Chrome-plated swivel adaptor-30° in all direction (option)

### **5.0 FENWAL HIGH TEMPERATURE HEAT DETECTOR**

Type : High temperature heat detector  
 Manufacturer : KIDDE Fenwal  
 Country of origin : USA  
 Model : 27121  
 Temperature : 450°F  
 Approval / Listing : UL, FM

### **6.0 MECHANICAL CONTROL HEAD / REGULATED RELEASE MECHANISM**

Type : Fully Mechanical  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300  
 Other features : Local manual control handle c/w safety pin.  
 : Electric switches (SPDT or DPDT)

### **7.0 ELECTRICAL SWITCHES**

Type : One switch kit (Single-pole, double throw contacts)  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Contact ratings : 250VAC, 21A Resistive, 250VAC, 2HP, 125VAC, 1HP  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300

### **8.0 CORNER PULLEY**

Type : Steel ball bearing  
 Manufacturer : Pyro-Chem  
 Country of origin : USA  
 Approval / Listing : NFPA 17A, Bomba, ULC & UL 300  
 Connection : ½" EMT

## **9.0 DETECTOR**

Type : Fusible Link  
Manufacturer : Pyro-Chem  
Country of origin : USA  
Temperature Rate : 74, 100, 138, 182, 232, 260°C  
Approval / Listing : NFPA 17A, Bomba, ULC & UL 300

## **10.0 REMOTE MANUAL PULL STATION**

Type : Mechanical  
Manufacturer : Pyro-Chem  
Country of origin : USA  
Approval / Listing : NFPA 17A, Bomba, ULC & UL 300