

COMPLETE FIRE SYSTEMS GUIDE



COMPLETE SYSTEM GUIDANCE FROM THE INDUSTRY EXPERTS!

Our sales and technical services team has the most comprehensive system experience of any company in the industry. We address your technical questions immediately so you can get back to work and if we don't know the answer, we'll find it for you - fast.

IN THIS CATALOG

A complete selection of original equipment manufacturer components for virtually any kitchen or industrial fire suppression system you may encounter.

WHY THESE PRODUCTS

Because you care about the quality of your work, as well as your reputation, it is critical that the products you use work. More importantly it is critical that you follow the guidelines of the installation manual of the system you are installing, servicing, or maintaining to ensure proper compliance.

WE MAKE THE DIFFERENCE

In addition to the best supply of parts and accessories, you're guaranteed unmatched customer service - before and after the sale. You're never just a number at Heiser, you're our partner. That entitles you to perks like:

- Competitive Pricing
- Free-Freight Options
- Same-Day Shipping
- Real-Time Customer/Tech Support
- And No Minimums – Ever!

CONTACT US

WORLD HEADQUARTERS:

Heiser Logistics
35 North Street, Suite 50
Canandaigua, NY 14424

TELEPHONE:

Call us toll free at (800) 828-9638 or worldwide at (585) 394-8692.
Our sales and support lines are available
Monday - Thursday 8 am - 8 pm EST, Friday 8 am - 6 pm EST.

FACSIMILE:

Fax us toll free at (800) 782-2937 or worldwide at (585) 919-6930.

EMAIL:

For general email inquiries, please email us at sales@HeiserUSA.com.

WEBSITE:

www.HeiserUSA.com

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YOU SPOKE, WE LISTENED!

Custom tailored catalogs specific
to your business.

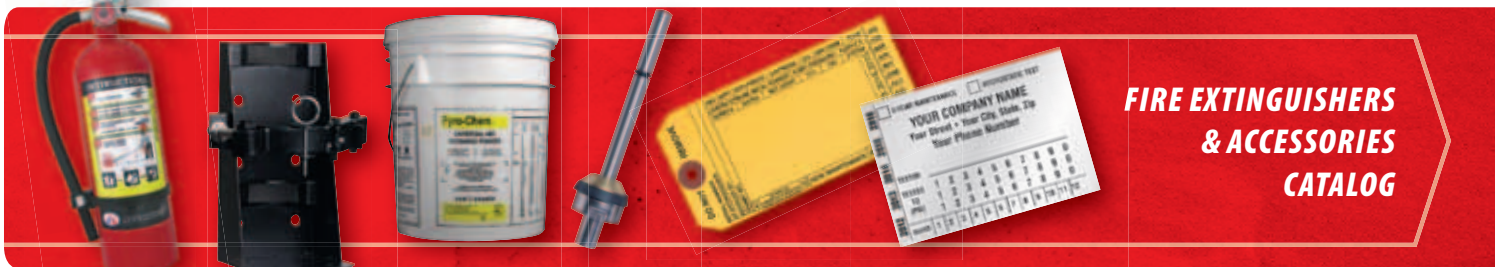


**FIRE SYSTEM
ACCESSORIES
CATALOG**



**COMPLETE FIRE
SYSTEMS
GUIDE**

More catalogs to come but for now go to heiserusa.com
to check out all our product categories.



**FIRE EXTINGUISHERS
& ACCESSORIES
CATALOG**



**EXHAUST HOOD ACCESSORIES,
CLEANING SUPPLIES &
SAFETY GEAR CATALOG**



**FIRST AID,
SAFETY GEAR,
& EMERGENCY
LIGHTING CATALOG**



**SPRINKLERS,
STANDPIPES,
& FIRE HOSE
CATALOG**

EQUAL TO THE BEST

THE PROTEX II PRE-ENGINEERED restaurant fire suppression system is equal to the best that our industry has to offer. UL Listed and MEA certified, a proper PROTEX II installation is rugged and reliable. You can install a PROTEX II system, confident that it will safeguard life and property. Yet the PROTEX II system is more than high-quality parts and supplies. It is a range of services and offerings that help you drive your business in the direction you want to go.

COMPREHENSIVE TRAINING

IT STARTS WITH an 8-hour training session, led by knowledgeable, experienced instructors who are familiar with the types of installations you will encounter. At the end of the day, you will be familiar with the equipment and how to install and maintain it. The course includes a well-organized, comprehensive manual that makes system design, installation, and maintenance straightforward and easy to understand.

And there's more. For those hard-to-classify appliances, and awkward spaces, you will find our immediate technical support invaluable.

Clearly, from a hardware point of view, we've got your back. But what about the business side?

That's another way in which the PROTEX II system really excels. Our mission has always been to provide fire safety equipment distributors with the best possible service so that you have the support you need to tackle any size job.

SUPPORT COMES IN MANY FORMS

IT COMES FROM having no stocking requirements or mandatory purchase quotas. It comes from instant system configuration and quoting assistance. It comes from same-day shipping, even shipping to your job site. What's more, our freight paid threshold is the most competitive in the industry.

MANY WAYS TO SAVE MONEY

FOR ONE THING, our distributors receive qualifying discounts on everything in the Heiser catalog. That's a big benefit, no matter how you slice it.

For another, every time you buy a complete system or components, including a control head, a cylinder, and a remote pull station, you earn drawing credits good for one set of system drawings at no charge. (*Read about it on page 3, and see the big picture on pages 6 and 7.*) You might not always need drawings for your AHJ, but when you do, they will be complete and completely professional. That's another savings for you.

THE TOOLS YOU NEED TO COMPETE

FREE CUSTOMIZED MARKETING material helps you sell the PROTEX II system to your customer in a clear, persuasive way. From sales brochures that make the case for you and your company, to engineers' and architects' specifications, all can be imprinted with your name and information. For a sampling of ideas, see page 8. These are just a few of the sales tools we personalize for you. Our dedicated graphic arts and printing department can help you with logo design, sales materials, even variable data publishing and high-quality short run color printing (like the brochure you are reading). Now, that's true marketing support!

The Protex II system is truly more than the sum of its parts. It is a complete technical, logistical, and marketing system that ensures high-quality installations—*every time!*

Your Complete Support System.

Heiser has it!

Two Steps to Take if You Want to Try the Benefits of the PROTEX II System

1. Attend our eight-hour training certification seminar, and periodic recertification as required.
2. Provide an insurance certificate indicating that you have general business liability insurance.

OUR EXCLUSIVE QUICKSHIP PROGRAM

WE ARE #1 when it comes to pre-engineered system fulfillment, because of our Quickship™ program. For 40+ years, Heiser has had just one mission: to provide you with the most reliable on-time delivery of the best products available.

Heiser is committed to saving you time (we know time is money). The best way to achieve this is by getting you the equipment you need, exactly when you need it. Our seven Quickship system centers are stocked to the ceiling with the pre-engineered system components you need every day, and your order ships on the day you place it.

Immediate Order Fulfillment.

Heiser has it!



PROTEX II EMERGENCY TECHNICAL SUPPORT

IT IS NOT uncommon, while working late on a service call or an installation, to run into something which provides a challenge, and no matter how much you look at the manual, the answer just does not jump out. Now, you can call one of our technical support folks for help until 10:00 pm EST.

Our technical support and training folks, Kevin and Sean

have volunteered to do this because of their commitment to you, our PROTEX II distributors. Please reserve after hours technical support calls for emergencies only.

The Best Service in the Business.

Heiser has it!

PROTEX II—SYSTEM DRAWINGS PROGRAM

WE PROVIDE YOU with a system drawing, at no charge for each PROTEX II system you purchase. Yes, you did read it correctly: at no charge. Every time you buy a PROTEX II system or components, and the actual sales order contains a control head, a cylinder, and a remote pull station, you will receive four drawing credits, good for one set of system drawings at no charge. Credits are good for six months from date of order, and you can apply them to any job.

Other Drawings Benefits:

- The view is a full-size engineering "D" print (36" × 24")
- Realistic 3D view.

- Increased detail in the Bill of Materials and notes section and an easy-to-read format.
- Prints are rolled and delivered in a tube for a more professional looking presentation.
- Drawings can be emailed for rush emergencies

Not only do these drawings look store bought and professional—they are. Don't just take it from us—check out the sample drawing on pages 6 and 7.

Top Quality for our Loyal Customers.

Heiser has it!

Design, Layout and Print Service Order Form



"Make copies of this form for fast ordering as often as you like."

Contractor

Date _____ Phone # _____

Contact Name _____

Company Name _____
(as you want it to appear on the drawings)

Company Address _____

City _____ ST _____ Zip _____

Email Address _____

Payment <i>(circle your choice)</i>	For Internal Use at Heiser
Use Credits Invoice Me	5

Does Your AHJ? *(circle your answer)*

Require Plans? Y N

Require Discharge Test? Y N

Engineering Stamp Required: *(Note: select yes only if NY state PE certification is acceptable)* Y N

Company Logo on Print?
(only if logo is on file at Heiser) Y N

Installation

Installation Name _____

Installation Address _____

Cylinder #	Model #	Location of cylinder relative to hood <i>(circle)</i>
1	_____	L R Other

Piping <i>(circle)</i>	
Straight	Split

Gas Valve Size _____ in. Type Mechanical Electrical
(circle) Note: If Electrical, requires Reset Relay P/N 835

Hood(s)

Looking toward the front of the hood, from which side of the hood are measurements calculated and appliance(s) assembled? (think carefully because this is what we will use while preparing your drawing)

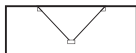
We assume Plenum Length = Total Hood Length. For a 2nd duct, provide distance between ducts.

Hood		
<i>(circle L for left; R for right)</i>		
L	Appliances	R

Examples of Hood Types



Wall Canopy



Island Hood

Number of Hoods <i>(circle correct number)</i>	1 2 3 4				All measurements to be given in Feet (') and Inches ("). Any pair of numbers separated by any symbol will be interpreted as feet and inches. For example, 2-6, 2,6, and 2-6 all will be interpreted as 2'6".							
	Hood Number		1		2		3		4			
Type <i>(circle correct type)</i>	Wall Canopy	Island Hood	Wall Canopy	Island Hood	Wall Canopy	Island Hood	Wall Canopy	Island Hood	Wall Canopy	Island Hood		
Length <i>(side to side)</i>												
Depth <i>(front to back)</i>												
Height <i>(top to bottom)</i>												
Plenum Protected by Cylinder #												

Duct(s)



H



V

Hood Number	1		2		3		4	
	Number of Ducts		1 2		1 2		1 2	
Duct #	1	2	1	2	1	2	1	2
Width <i>(side to side)</i>								
Depth <i>(front to back)</i>								
Diameter <i>(if round)</i>								
Protected by Cylinder # Exits the Hood <i>(circle H for Horizontal; V for Vertical)</i>	H	V	H	V	H	V	H	V
Distance from end of hood								
Distance from back of hood								
Specify nozzle if not NL2D								

Installation Name

Looking toward the front of the hood, from which side of the hood are measurements calculated and appliance(s) assembled? (think carefully because this is what we will use while preparing your drawing)

Hood		
<i>(circle L for left; R for right)</i>		
L	Appliances	R

Please note the following:

- All measurements to be given in Feet (') and Inches ("). Any pair of numbers separated by any symbol will be interpreted as feet and inches. For example, 2-6, 2'6, and 2•6 all will be interpreted as 2'6".
- For appliance #1, distance to next appliance = distance from edge of hood to appliance #1.
- For range protection, use Nozzle 1 & Nozzle 2 to indicate 2 different types of nozzles. Use nozzle 1 for all other appliances, then list quantity.
- If fryer is next to an open flame appliance, a grease shield or an 18" space is required. Note your method in the *Special Instructions or Notes* box below.
- If a space in the appliance lineup wider than 12" is used for food preparation, storage, dressing, etc., identify this space as an appliance. Some AHJs require this. If nothing is shown, spaces or gaps in the lineup wider than 12" will be labeled as empty.
- If more than one hood has a large number of appliances please reprint this sheet for each hood, and list the appliances there below.
- If your drawing includes appliances which are not listed in the Protex II Technical Manual, please list them below and provide all required measurements, etc., but note in the *Special Instructions or Notes* box how you intend to protect the appliance(s). If you are unsure of the correct protection, please contact our Technical Department.

Appliance(s)

Hood # <i>(if more than one)</i>	Appliance #	Appliance description <i>(for ranges, specify # of burners)</i>	Fuel <i>(circle)</i>		Distance from Edge of Hood (in)	Total Dimensions of Appliance (td)			Nozzle 1	Nozzle 2	Qty	Cylinder # <i>(if appl.)</i>
			gas	elec.		Hazard Area / Cooking Surface Only (cs)						
			Width (in)	Depth (in)		Height (in)						
	1		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
Hood # <i>(if more than one)</i>	Appliance #	Appliance description <i>(for ranges, specify # of burners)</i>	Fuel <i>(circle)</i>		Distance to next appliance (in)	Total Dimensions of Appliance (td)			Nozzle 1	Nozzle 2	Qty	Cylinder # <i>(if appl.)</i>
			gas	elec.		Hazard Area / Cooking Surface Only (cs)						
			Width (in)	Depth (in)		Height (in)						
	2		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	3		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	4		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	5		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	6		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	7		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	8		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	9		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				
	10		gas	elec.		(td)	(td)	(td)				
						(cs)	(cs)	(cs)				

Delivery	Delivery Method <i>(circle preference)</i>				Special Instructions or Notes
	E-mail	FedEx	UPS	USPS	
Delivery	Delivery Speed <i>(circle preference)</i>				Acct. #
	Next Day Air	2-3 Business Days	Ground		
<i>(If by Air, please select a preferred carrier and provide account number if available.)</i>					



Toll Free Order & Customer Support

1.800.828.9638

Fax 1.800.782.2937

E-mail prints@Heiserusa.com



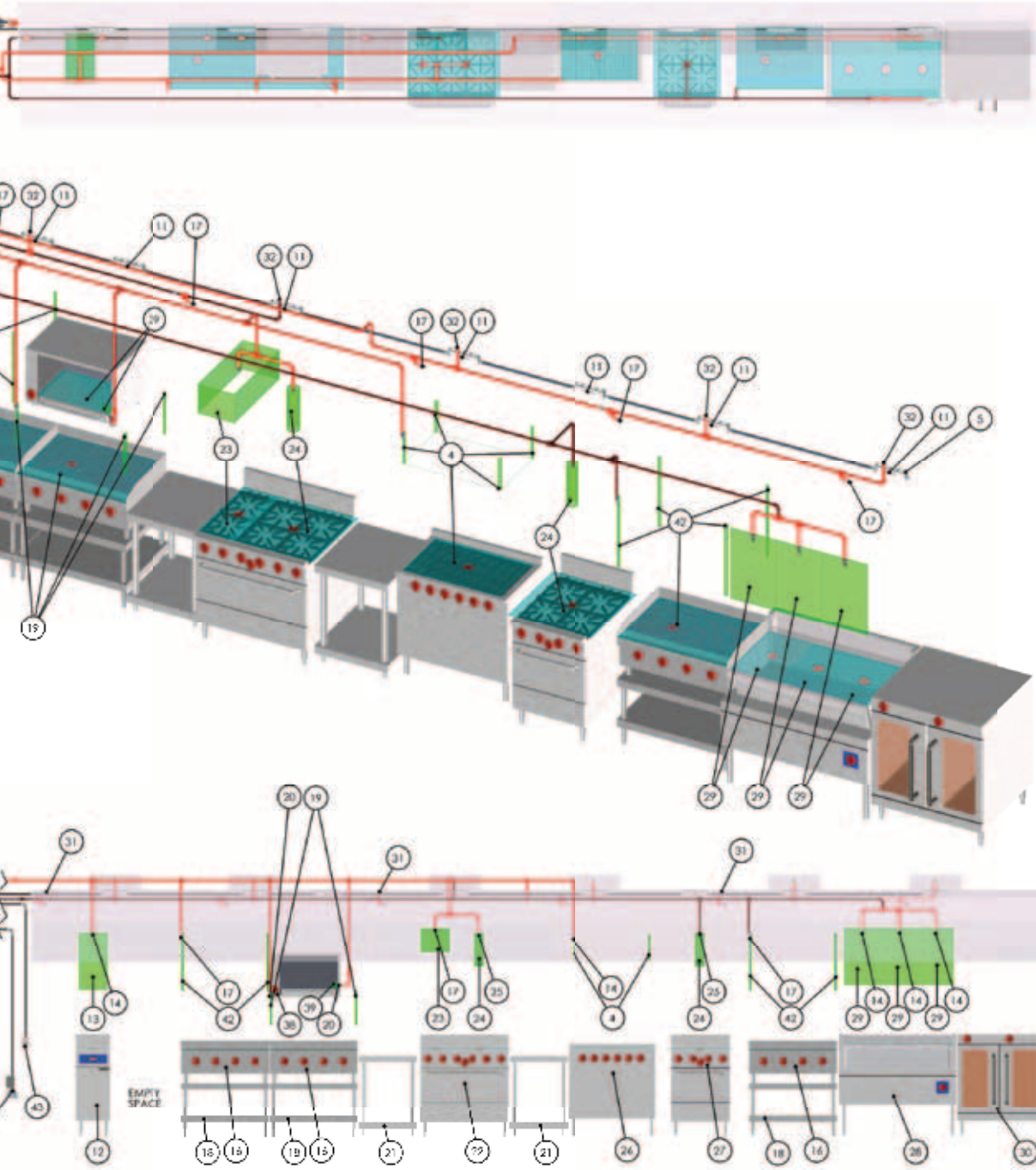
PROTEX II SYSTEM COMPONENTS

oTex II
RESTAURANT
KITCHEN SUPPRESSION
SYSTEM

All products are made by the Authority Manufacturing Co.

IF THIS DRAWING
ORIGINATED FROM
HEISER LOGISTICS IT WILL
CONTAIN A FAISED
SEAL IN THIS AREA

ZONE	REV.	DESCRIPTION	DATE	INITIALS
	A	Released to Customer	09/30/09	SEA




11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	NAME: Top Dog DRAWING TITLE: KITCHEN SUPPRESSION SYSTEM 2200 B. R. L. ST. CONAUGA, NY 13024	AUTHORITY TOWN EATERY 1 Halsey Dr. Conauega, NY 13024	DATE: 09/30/09 DRAWN BY: SEA CHECKED BY: INSP. APPR.: SHEET 1 OF 1	PROJECT NO.: 636363 REV: A
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PROTEX II SYSTEM COMPONENTS

Custom Imprinted Sales Tools that Build Business through Customer Confidence

Your Logo & Address Here



ProTex II
RESTAURANT
FIRE SUPPRESSION
SYSTEM

Engineer and Architect Specifications

Features

- In and Out Approval
- Complies with NFPA Standard 96 and 97
- Meets the requirements of the Building, Electrical and Code Administrators
- Approved by the City of New York Municipal and Equipment Approval Division.

General

The ProTex Series II Restaurant Kitchen Fire Suppression System is a pre-engineered solution to replace and venting hood and duct grease fans. The system is designed to maximize hood protection, reliability, and installation efficiency. Automatic or manual system activation releases a chemically discharge of potassium acetate solution on the protected area to the form of fine droplets to suppress the fire and help prevent re-ignition after the discharge is complete.

System Operation

The ProTex Series II Restaurant Kitchen Fire Suppression System has been designed for protecting kitchen hood, plenums, exhaust duct, grease filters, and cooking appliances such as fryers, griddles, convection ovens, toasters, broilers and rotisseries from grease fires. The specially formulated wet chemical discharge technique, combined with dual, independent activation capability — automatic, health fair or manual release — provides efficient, reliable protection the moment a fire is detected. Once activated, the pre-engineered wet chemical extinguishing agent cylinder discharges a potassium acetate solution through a gas-actuated piping network and out the discharge nozzles. The wet chemical discharge pattern is engineered for a duration of time to ensure suppression and inhibit re-ignition. Exceptional capability provides remote manual activation, gas separation shut-downs, and electrical system shut-down. This optional equipment will enhance the basic system function and be applicable when designing custom configurations to suit a particular customer's needs and comply with local codes.


Suggested Architect Specifications

The fire suppression system should be of the most pressure, wet chemical pre-engineered fixed nozzle type manufactured by ProTex. A release device cartridge is designed in accordance with NFPA Specification "Type 1-4-10-1" and shall be used as the pressure-releasing device for the system. The cartridge shall be an integral part of the control head assembly. The wet chemical storage cylinder shall be sized based on rated pressure of 145 psig, and a pressure gauge shall be provided on the cylinder valve for visual inspection. The system shall be capable of automatic and manual activation. Automatic activation shall be provided by an appropriate location of health fair detector installed in series on a detection steel wire rope line to the control head. Manual activation shall be provided by having a handle on the primary head and/or by an optional remote pull station with a dedicated station and input line to the control head.

The system shall have been tested to the NFPA Standard for Fire Extinguishing Systems for Protection of Restaurant Cooking Area, and listed by Underwriters Laboratories, Inc. It shall be installed in accordance with the National Fire Protection Association Standard NFPA 96B Standard for Commercial Kitchen Systems, and the NFPA Standard for the Installation of Equipment for the Removal of Grease and Other Liquids From the Exhaust of Cooking Equipment, and comply with all local and state codes and standards.

Refer to ProTex II Restaurant Fire Suppression System Manual, Part No. PFL001, for detailed installation and maintenance instructions.

Notes: - Can be field or fixed with a wired remote allowing the system to be installed approximately 10' in all directions. - Covers Pull-Down and Accessories - Designed to ensure reliable system function, as tested by Underwriters Laboratories.



ProTex II
RESTAURANT
FIRE SUPPRESSION
SYSTEM

OWNER'S MANUAL
Pre-engineered restaurant kitchen fire extinguishing system:
Model L1600
Model L3000
Model L4600
Model L6000

Heiser

Your Logo & Address Here

PROTEX II SYSTEM COMPONENTS

Your Name & Address Here



Installation And Maintenance Instructions
2-Way Remotely Tripped Mechanical Gas Valve
5075H, 5100H, 5125H, 5150H, 5200H
Normally Closed Operation

Description
The Heiser GV series mechanical gas valve is a 2-way, remotely tripped, normally closed gas valve. Valves are of aluminum construction.

Operation
Valve is normally closed; it opens when properly connected to a ProTex Series II Fire Suppression System in the set position. Upon system activation, valve closes. Valve will open when system is reset.

Installation
Refer to ProTex Series II Technical Manual.

Temperature Limitations
Maximum ambient and fluid temperature is 120°F.

Positioning
Valve may be mounted in any position.

Piping
CAUTION: To prevent damage to valve, DO NOT OVERTIGHTEN PIPE CONNECTIONS.

Connect piping to valve in accordance with markings on valve body. Pipe compound should be applied to male pipe threads only. When tightening pipe, do not use valve as a lever. To avoid strain on valve, assure piping is aligned and supported properly.

Strainer Installation
For the protection of the gas valve, install strainer or a suitable filter in the inlet piping, as close to the gas valve as possible. Periodic cleaning of strainers is recommended.

Preventative Maintenance

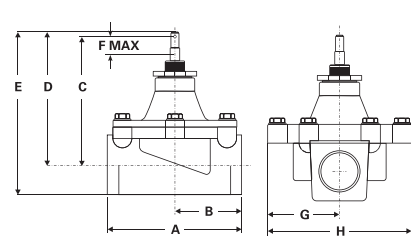
1. Keep medium flowing through valve as free from foreign material as possible.
2. Keep valve filter/strainer clean.

Improper Operation


1. **Incorrect Pressure:** Pressure to valve must be within range specified on nameplate.
2. **Leakage:** If leakage is detected, contact an Authorized ProTex Distributor immediately.

Dimensions ("")

Part #	NPT	A	B	C	D	E	F	G	H
5075H	3/4	4 1/4	2 1/8	5 1/2	6 7/8	6 1/2	3/8	1 1/4	3 3/8
5100H	1	4 1/4	2 1/8	5 1/2	6 7/8	6 1/2	3/8	1 1/4	3 3/8
5125H	1 1/4	5 3/8	2 1/8	5 7/8	7 1/2	6 3/4	1 1/8	2 1/4	5 1/2
5150H	1 1/2	5 3/8	2 1/8	5 7/8	7 1/2	6 3/4	1 1/8	2 1/4	5 1/2
5200H	2	6 7/8	3 3/4	6	6 1/4	7 3/4	3/4	2 1/8	5 3/8



Your Name & Address Here



ProTex II
RESTAURANT
FIRE SUPPRESSION
SYSTEM

Pre-engineered Wet Chemical Fire Suppression System

A Kitchen's Best Friend

Your Logo & Address Here

- Available in four sizes
- Pre-filled and pressurized to 225psig at 70°F
- Manufactured, tested and marked in accordance with DOT standards
- All cylinders utilize same valve assembly
- Cylinder sizes expressed in terms of extinguishing agent capacity



L1600

L3000

L4600

L6000



MCH2

- Requires CO26 actuation cartridge (sold separately)
- Microswitch kits ordered separately and must be field installed



CO26

- Required to pneumatically actuate the cylinder valve
- Sold individually, available in boxes of 6
- Must be purchased separately



MBP2

- Required for mounting MCH2 control head if it is not directly mounted on a cylinder



55531

- Required to be installed into cartridge actuator prior to cartridge installation



10064

- Used to apply tension to the fusible link line ratchet wheel inside the MCH2 control head

Part # Cylinders

L1600	1.6 Gallon Cylinder Assembly - 5 Flow Point Capacity
L3000	3 Gallon Cylinder Assembly - 10 Flow Point Capacity
L4600	4.6 Gallon Cylinder Assembly - 15 Flow Point Capacity
L6000	6 Gallon Cylinder Assembly - 20 Flow Point Capacity



MB15

- Must be ordered separately for each cylinder assembly
- Vertical bracketing
- MB15 – for use with L1600, L3000, and L4600
- MB1 – for use with L6000

- For use with L1600, L3000 or L4600
- Vertical mounting of single cylinder
- 28.12"H x 10.62"D
- ENMCU2 includes a mechanical control unit



ENMCU2

Part # Control Heads & Accessories

MCH2	Mechanical Control Head
MBP2	Control Head Mounting Bracket
CO26	CO ₂ Actuation Cartridge (16 gram)
55531	Replacement Cartridge Receiver O-Ring
10064	1/2" Hex Wrench

Part # Brackets & Enclosures

MB15	Cylinder Mounting Bracket - For use with L1600, L3000 or L4600 (15.69"H x 4"W x 3.13"D)
MB1	Cylinder Mounting Bracket - For use with L6000 (20.44"H x 4"W x 2.13"D)
350420746	Replacement Strap for Cylinder Mounting Brackets
ENMCU2	Master Cylinder Enclosure w/Mechanical Control Head
ENS	Slave Cylinder Enclosure



MICRO SWITCH KITS, NOZZLES & ACCESSORIES



NL1H

- Sold individually, available in packs of 10
- Stamped with model number
- Supplied with nozzle caps to prevent clogging



325420625



325420626



551265

- Assists to properly aim each nozzle to the correct aiming point
- Clamps onto nozzle
- Aiming device emits a laser light that reflects on surface it is aiming at
- P/N's 551265 (nozzle aiming device) & 550926 (nozzle aiming device adaptor) both required



550926



423572

- Kit includes nozzles (2H & 2F), swivel adaptors (423572), tee block assembly (434424), close nipples, various SS pipe lengths, and instruction sheet

- Allows any nozzle to be rotated approximately 30° in any direction
- Sold individually, available in packs of 25

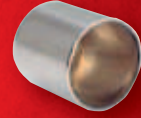


553389



550016

- Keeps nozzle tip orifice free of grease build-up or other substances that could interfere with agent distribution



305420623

Part #	Nozzles & Accessories
NL1H	1H Nozzle - 1FP High Proximity
NL1L	1L Nozzle - 1FP Low Proximity
NL2D	2D Nozzle - 2FP Duct
NL2H	2H Nozzle - 2FP High Proximity
NL2L	2L Nozzle - 2FP Low Proximity

Part #	Nozzles & Accessories
553389	Henny Penny Nozzle Assembly Kit
423572	Swivel Adaptor
305420623	Stainless Steel Nozzle Caps (10/pack)
550016	Rubber Nozzle Caps (12/pack)

Part #	Nozzles & Accessories
325420625	Nozzle O-Rings (10/pack)
325420626	Nozzle Strainers (10/pack)
551265	Nozzle Aiming Device
550926	Nozzle Aiming Device Adaptor

PROTEX II SYSTEM COMPONENTS



- Provides a means of manual actuation of a fire suppression system from a remote location
- Should be mounted at a point of egress and positioned at a height determined by NFPA standards or your AHJ
- Can be mounted in a recessed or surface mount fashion
- Includes back box

RPSM

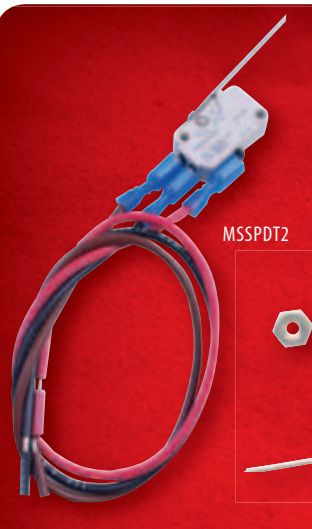


RPSMBOX



RPSMTR

MICROSWITCHES ARE FOR use with electrical gas valves, local alarms*, contactors, lights, contractor supplied electric power shut-off devices and other electrical devices that are designed to shut-off or turn on when the system is actuated. *Not for use as a supervised alarm initiation switch.



MSSPDT2

- 12" leads
- Mounting hardware included
- Each switch has a set of single-pole, double throw contacts



550077

- Must be used to close a supervised alarm circuit to the building main fire alarm panel when the fire system actuates, this signals the fire alarm panel that there was a system actuation



552173

- Required for stacking 3 or more switch kits

Part #	Pull Station & Accessories
RPSM	Remote Pull Station - Mechanical
RPSMTR	Trim Ring for Flush Mounting RPSM
RPSMBOX	Pull Station Back Box (Red)

Part #	Microswitches & Accessories
MSSPDT2	One Switch Kit - Microswitch
MSDPDT2	Two Switch Kit - Microswitch
MS3PDT2	Three Switch Kit - Microswitch

Part #	Microswitches & Accessories
MS4PDT2	Four Switch Kit - Microswitch
552173	Switch Kit Extension Kit
550077	Alarm Initiating Switch





FLH25

- Simplifies the installation of fusible links
- Install fusible links without cutting and crimping cable
- Sold individually, available in packs of 25



- Part #349KIT - Makes 90° turn into a link housing bracket; compatible with 90KBS and TSS corner pulleys

Part # Link Housing Brackets, Kits, & Accessories

349	Link Housing Bracket - 10"
349H	Link Housing Bracket - 10" High Stand-Off
349KIT	Link Housing Bracket Adaptor Kit
210SH	Series Link Housing Kit - 10" LHB High Stand-Off
225SH	Series Link Housing Kit - 10" LHB High Stand-Off
FLH25	Fusible Link Hanger

LINK HOUSING BRACKETS are designed to support a fusible link line. They serve as support for the linkage and are attached to a rigid surface.

BRACKETS MUST BE installed in the plenum area of the hood, over each appliance and in each duct.

BRACKETS ARE STRONG enough to be flush or EMT Conduit mounted.

THEY HAVE DRAWN steel flanges for superior rigidity.

SERIES LINK HOUSING brackets are any bracket located between the actuation device and the terminal bracket (last bracket).

- **Sold Individually**



90KBS

- Required to change the direction of cable by 90°
- Equipped for a connection to 1/2" EMT Conduit
- High temperature, ball bearing wheels for minimum resistance to cable travel
- Sold individually, available in boxes of 50



90SB



1513

- For use only with two gas valve or remote pull station lines
- Steel compression nuts equipped for a connection to 1/2" EMT Conduit

Part # Corner Pulleys

90KBS	Corner Pulley - Compression Style
90SB	Corner Pulley - Set Screw Style

Part # Tee Pulley

1513	Tee Pulley - Compression Style
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HOOD SEALS, FUSIBLE LINKS, CABLE, & ACCESSORIES



3234

- Load rated 10-40 lbs
- Stainless steel components
- Flexible eye hook connection



306550

- Aircraft-type stainless steel 1/16" cable
- 7x7 construction for greater flexibility
- Preformed to prevent unraveling
- Available in two lengths for your convenience



3065500



341S



320S



576

Part #	Fusible Links
3234	Model ML Globe 360°F Fusible Link
3235	Model ML Globe 450°F Fusible Link
3236	Model ML Globe 500°F Fusible Link

Part #	Cable
306550	50' x 1/16" Stainless Steel Cable - 304SS
3065100	100' x 1/16" Stainless Steel Cable - 304SS
3065500	500' x 1/16" Stainless Steel Cable - 304SS
30651000	1000' x 1/16" Stainless Steel Cable - 304SS

Part #	Crimps & Accessories
341S	S-Hooks (100/pack)
320S	1/16" Zinc-Plated Copper Crimp (100/pack)
576	Copper Stop Crimp (100/pack)

FUSIBLE LINKS ARE used in conjunction with a fusible link housing kit/bracket. Fusible links are held together with a metal alloy that melts at a predetermined temperature, allowing the two halves of the link to separate.

THE TEMPERATURE THAT is stamped on the link is the temperature at which the link will separate. The ambient temperature is the normal (exposure) temperature.

ACCURATE TEMPERATURE STUDIES are recommended to determine the correct fusible link. The use of an incorrect fusible link could cause a delay in the system activation or an unwanted discharge.

NFPA 96 INDICATES, "Cleaning chemicals shall not be applied on fusible links or other detection devices of the automatic extinguishing system...". The manufacturer strongly recommends that

the fusible links be wiped and cleaned with a wet cloth between routine servicing and replacement and not by the application of cleaning chemicals or steam.

FUSIBLE LINKS IN cooking operations, per NFPA 96, should be replaced at the time of a semi-annual maintenance, unless conditions require more frequent replacement.



395J

For Part # 393J, 395J and 396J

- Couples pipe or EMT at the penetration of hood or duct
- Accepts threaded pipe or 1/2" EMT Conduit connector (396J only)
- Pipe or EMT Conduit connector must be installed on both ends of the adapter
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities



JCPLT

For Part # JCPLT

- Eliminates the need for multiple corner pulleys when installing the detection line through the top of the hood
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities
- Corner pulley not included



389

For Part # 388, 389 and 390

- Straight through design allows pipe or EMT Conduit to pass through hood or duct penetration with no cutting of pipe or conduit
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities

Part #	Jiffy & Compression Hood Seals
393J	Jiffy Seal - 3/8" Pipe, 7/8" Hole
395J	Jiffy Seal - 3/8" Pipe, 1 1/8" Hole
396J	Jiffy Seal - 1/2" Pipe, 1 1/8" Hole
JCPLT	Jiffy Corner Pulley Seal w/ Connector
388	Compression Seal - 3/8" Pipe, 1 1/8" Hole
389	Compression Seal - 1/2" EMT Conduit, 1 1/8" Hole
390	Compression Seal - 1/2" Pipe, 1 1/8" Hole

PER NFPA 96 - "Penetrations shall be permitted to be sealed by devices that are listed for such use and whose presence does not detract from the hood's or duct's structural integrity." And "Penetrations and holes resulting from the removal of conduit or piping shall be sealed with listed or equivalent liquidtight sealing devices."

UL LISTED JIFFY Seals are intended for use to seal holes and penetrations necessary for distribution piping or conduit to pass through hoods or ducts, or when existing

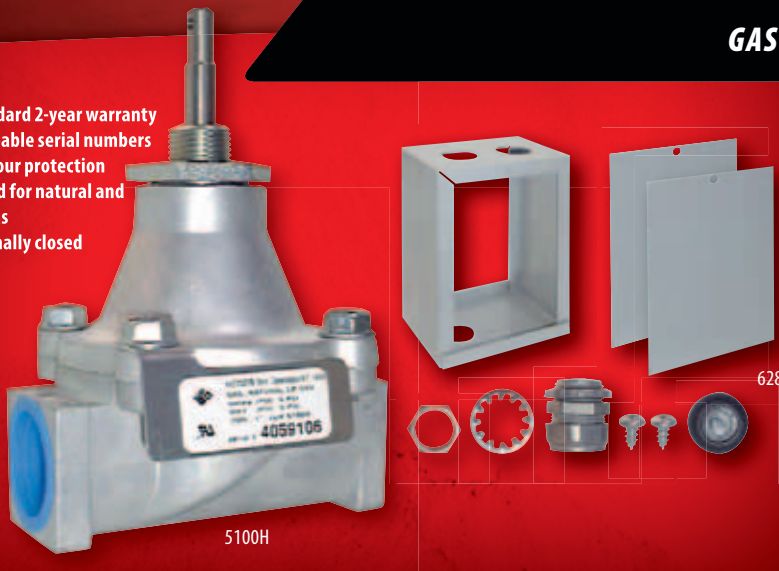
holes or penetrations in hoods or ducts are abandoned and must be sealed.

JIFFY SEALS MAY also be used in industrial fire suppression system installations and for installation of heat detectors.

- **Chrome-plated for corrosion resistance and appearance**
- **Meet requirements of NFPA 96**
- **UL Listed**
- **Sold individually - Jiffy seals available in boxes of 10; compression seals available in boxes of 24**



- Standard 2-year warranty
- Traceable serial numbers for your protection
- Rated for natural and LP gas
- Normally closed



Part #	Gas Valves & Accessories
5075H	¾" Heiser Mechanical Gas Valve
5100H	1" Heiser Mechanical Gas Valve
5125H	1¼" Heiser Mechanical Gas Valve
5150H	1½" Heiser Mechanical Gas Valve
5200H	2" Heiser Mechanical Gas Valve
5250	2½" ASCO Mechanical Gas Valve
5300	3" ASCO Mechanical Gas Valve
628	Gas Valve Conversion Kit

A GAS SHUT off valve is required on all systems used to protect a gas-fueled cooking appliance to stop gas flow in the event of system actuation.

PER NFPA 17A - "On actuation of any cooking equipment fire extinguishing system, all sources of fuel and electric power that produce heat to all

equipment protected by the system shall be shut down."

PER NFPA 17A - "Shutoff devices shall require manual resetting prior to fuel or power being restored."

THE GAS VALVE is spring loaded and requires five pounds of force to hold it open.

This force is supplied by stainless steel cable that is connected to the control mechanism.

THE GAS VALVE'S two-way aluminum body meets the safety standards for commercial industrial and institutional kitchens set by NFPA.

Part #	Alarm Bell & Horn Strobe
6120	Alarm Bell - 6" (120VAC)
153120	Horn/Strobe Combination Unit (120VAC)

PER NFPA 96 - "Upon activation of an automatic fire extinguishing system, an audible alarm or visual indicator shall be provided to show that the system has activated."



- Designed to shut off flow of gas upon system actuation
- Rated for natural gas
- Valve is held open by an energized solenoid
- 120VAC
- UL Listed, FM Approved

8125

Part #	Solenoid Gas Valves
8075	¾" ASCO Solenoid Gas Valve (110-120VAC)
8100	1" ASCO Solenoid Gas Valve (110-120VAC)
8125	1¼" ASCO Solenoid Gas Valve (110-120VAC)
8150	1½" ASCO Solenoid Gas Valve (110-120VAC)
8200	2" ASCO Solenoid Gas Valve (110-120VAC)
8250	2½" ASCO Solenoid Gas Valve (110-120VAC)
8300	3" ASCO Solenoid Gas Valve (110-120VAC)



- High decibel output – 85dB
- Low current draw
- Pre-wired
- 3-year standard warranty

6120

153120



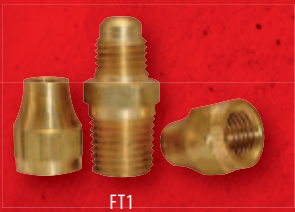
- Required when using an electrical gas valve shut-off system
- After the electric gas valve has closed, it cannot be re-opened until the reset relay button is manually pressed
- Also recommended for electrical shut down
- UL Listed
- Ultra-quiet operation
- Power to appliance light

835

Part #	Reset Relay
835	Reset Relay - Fire System Appliance Reset (120VAC)



FITTINGS, ACTUATION, & REPLACEMENT COMPONENTS



FT1



FT110



FT120



FT150

- Provide ease and convenience for cylinder installations
- Made to meet SAE J513c specifications



FT160

- Joined by flare-type and compression fittings
- Favorite choice for plumbing, heating, cooling, and other systems
- Manufactured to meet the specifications established by ASTM International

Part # Brass Flare Fittings

FT1	Remote Cylinder Mounting Tube Fittings Kit - For 1 Cylinder Systems
FT2	Remote Cylinder Mounting Tube Fittings Kit - For 2 Cylinder Systems
FT3	Remote Cylinder Mounting Tube Fittings Kit - For 3 Cylinder Systems

Part # Brass Flare Fittings

FT4	Reducing Fittings Kit - For PAC 100 Actuating Cylinders
FT110	1/4" 45° Flare Nut - 7/16 -20
FT120	1/4" 45° Flare Connector - 7/16 -20
FT150	1/4" 45° Flare Tee - 7/16 -20

Part # Copper Tube

FT160	1/4" Copper Tube - 50'
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PROTEX II SYSTEM COMPONENTS



551175



550985

- For use with p/n 551175 (complete wet valve assembly)
- Must be rebuilt after system discharge
- O-rings should be lubricated with Parker O-lube (OR3)



551236



490020831

Part # Valve Assembly & Replacement Components

551175	Complete Wet Valve Assembly
550985	Pressure Regulator Assembly
551236	Wet Valve Gauge - 225psi
490020831	Wet Valve Cap Assembly
385420705	Wet Valve Spring

Part # Valve Assembly & Replacement Components

325420716	Wet Valve O-Ring
712420707	Wet Valve Piston
325420715	Wet Valve Piston O-Ring
325420714	Wet Valve Cap O-Ring



490420698

- Includes all components to rebuild valve
- O-rings should be lubricated with Parker O-lube (OR3)



551061

Part # Rebuild Kits

490420698	Wet Valve Rebuilding Kit
551061	Pressure Regulator Rebuild Kit



PAC100



240020026

- PAC100 actuates up to 10 cylinders
- Wall mounting bracket included
- Charged to 350psig at 70°F
- Uses dry valve rebuilding kit

Part # Actuating Cylinders & Accessories

PAC100	Pneumatic Actuating Cylinder
240020026	High-Temperature Relief Plug, 212°F For PAC100



31809

- Four different lengths available
- Used to connect the actuation line flare tees
- Can be connected end to end

Part # Actuation Hoses

417582	8" Stainless Steel Actuation Hose - 7/16 -20 F
31809	16" Stainless Steel Actuation Hose - 7/16 -20 F
32336	24" Stainless Steel Actuation Hose - 7/16 -20 F
430815	42" Stainless Steel Actuation Hose - 1/4" NPT (M) x 7/16 -20 F



435982

- Used with castered appliances
- Allows movement of appliance for cleaning without having to disconnect any discharge piping

Part # Distribution Hose

435982	Agent Distribution Hose Kit - 5' long
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551240



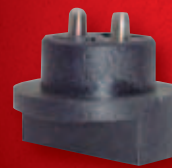
552181



550938

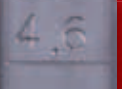
Part # Recharge Adaptors

551240	Recharge Adaptor
552181	Hydrotest Adaptor
550938	Bleed Down Adaptor



VT1

- Facilitates the rebuilding of valve assembly
- Used to hold piston while unscrewing the valve cap and stem assembly



551039
DETAIL

551039
STICK

Part # Recharge Tools

VT1	Wet Valve Tool
551039	Agent Level Measuring Stick



RL1600



RL3000

Part # Recharge

RL1600	Wet Chemical Recharge Agent, 1.6 gallon
RL3000	Wet Chemical Recharge Agent, 3 gallon



PMAN2

Part # Manual

PMAN2	Technical Manual
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79656

- Sold individually, available in case of 12
- Required when flushing the system

Part # Flushing Concentrate

79656	Flushing Concentrate - 32 oz Container
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L6000T

Part # Test Cylinders

L3000T	3 Gallon Test Cylinder
L4600T	4.6 Gallon Test Cylinder
L6000T	6 Gallon Test Cylinder



553376

- Model KS6100
- Rating: 2A-K
- Stainless steel shell
- 7" shell dia.

Part # Class K Fire Extinguisher

553376	6 Litre Kitchen One™ Wet Chemical Fire Extinguisher
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CYLINDERS, BRACKETS, CONTROL HEADS, & ACCESSORIES



PCL160



PCL300



PCL460



PCL600

- Available in four sizes
- Pre-filled and pressurized to 225psig at 70°F
- Manufactured, tested, and marked in accordance with DOT standards
- All cylinders utilize same valve assembly
- Cylinder sizes expressed in terms of extinguishing agent capacity



PCMCH2

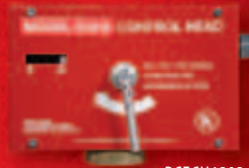
- Requires PC102 actuation cartridge (sold separately)
- Microswitch kits ordered separately and must be field installed
- Available with or without local actuation



PCMCH3



PC551207



PCECH1202



PCMBP2

- Required for mounting control head if it is not directly mounted on a cylinder



PC102

- Required to pneumatically actuate the cylinder valve
- Sold individually, available in boxes of 6
- Must be purchased separately



10064

Part # Control Heads & Accessories

PCMCH2	Mechanical Control Head - No Local Actuation (551203)
PCMCH3	Mechanical Control Head w/Local Actuation (551200)
PC551207	Electric Control Head - 120VAC - No Local Actuation (551207)
PC551206	Electric Control Head - 24VDC - No Local Actuation (551206)
PCECH1202	Electric Control Head - 120VAC - w/Local Actuation (551202)
PCECH242	Electric Control Head - 24VDC - w/Local Actuation (551201)
PC551594	ECH/SM-120 Control Head and System Circuit Monitor (551594)
PC550101	Replacement Cover for PCMCH2 (550101)
PCMBP2	Control Head Mounting Bracket (550853)
PC102	CO ₂ Actuation Cartridge (16 gram) (551059)
PC55531	Replacement Cartridge Receiver O-Ring (55531)
10064	½" Hex Wrench

Part # Cylinders

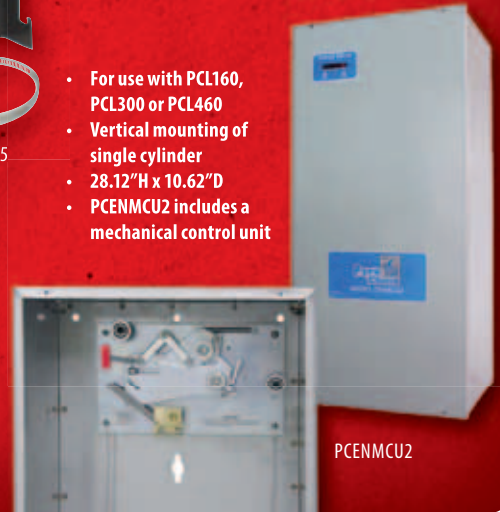
PCL160	1.6 Gallon Cylinder Assembly - 5 flow point capacity (553163)
PCL300	3 Gallon Cylinder Assembly - 10 flow point capacity (551194)
PCL460	4.6 Gallon Cylinder Assembly - 15 flow point capacity (551193)
PCL600	6 Gallon Cylinder Assembly - 20 flow point capacity (551196)



PCMB15

- Must be ordered separately for each cylinder assembly
- Vertical bracketing
- PCMB15 - for use with PCL160, PCL300 and PCL460
- PCMB1 - for use with PCL600

- For use with PCL160, PCL300 or PCL460
- Vertical mounting of single cylinder
- 28.12"H x 10.62"D
- PCENMCU2 includes a mechanical control unit



PCENMCU2

Part # Brackets & Enclosures

PCMB15	Cylinder Mounting Bracket - For use with PCL160, PCL300 or PCL460 (15.69"H x 4"W x 3.13"D) (550054)
PCMB1	Cylinder Mounting Bracket - For use with PCL600 (20.44"H x 4"W x 2.13"D) (550053)
PC350420746	Replacement Strap for Cylinder Mounting Brackets (550746)
PCENMCU2	Master Cylinder Enclosure w/Mechanical Control Unit (551208)
PCENS	Slave Cylinder Enclosure (550966)





PCNL1H

- Sold individually, available in packs of 10
- Stamped with model number
- Supplied with nozzle caps to prevent clogging



PC325420625



PC325420626



PC551265

- Assists to properly aim each nozzle to the correct aiming point
- Clamps onto nozzle
- Aiming device emits a laser light that reflects on surface it is aiming at
- P/N's PC551265 (nozzle aiming device) & PC550926 (nozzle aiming device adaptor) both required



PC550926

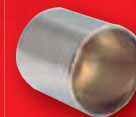


PC553389

- Kit includes nozzles (2H & 2F), swivel adaptors (423572), tee block assembly (434424), close nipples, various SS Pipe lengths, and instruction sheet
- Allows any nozzle to be rotated approximately 30° in any direction
- Sold individually, available in packs of 25



PC423572



PC305420623

- Keeps nozzle tip orifice free of grease build-up or other substances that could interfere with agent distribution



PC550016

Part #	Nozzles & Accessories
PCNL1H	1H Nozzle - 1FP High Proximity (551029)
PCNL1L	1L Nozzle - 1FP Low Proximity (551026)
PCNL2D	2D Nozzle - 2FP Duct (551038)
PCNL2H	2H Nozzle - 2FP High Proximity (551028)
PCNL2L	2L Nozzle - 2FP Low Proximity (551027)

Part #	Nozzles & Accessories
PC553389	Henny Penny Nozzle Assembly Kit (553389)
PC423572	Swivel Adaptor (418569)
PC305420623	Stainless Steel Nozzle Caps (10/pack) (551528)
PC550016	Rubber Nozzle Caps (12/pack) (550016)
PC325420625	Nozzle O-Rings (10/pack) (551530)

Part #	Nozzles & Accessories
PC325420626	Nozzle Strainers (10/pack) (551529)
PC551265	Nozzle Aiming Device (551265)
PC550926	Nozzle Aiming Device Adaptor (550926)



PCRPSM

- Provides a means of manual actuation of a fire suppression system from a remote location
- Should be mounted at a point of egress and positioned at a height determined by NFPA standards or your AHJ
- Can be mounted in a recessed or surface mount fashion
- Includes back box



PCRPSMTR



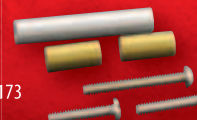
PCSPDT2

- 12" leads
- Mounting hardware included
- Each switch has a set of single-pole, double throw contacts



PC550077

- Must be used to close a supervised alarm circuit to the building main fire alarm panel when the fire system actuates, this signals the fire alarm panel that there was a system actuation



PC552173

- Required for stacking 3 or more switch kits

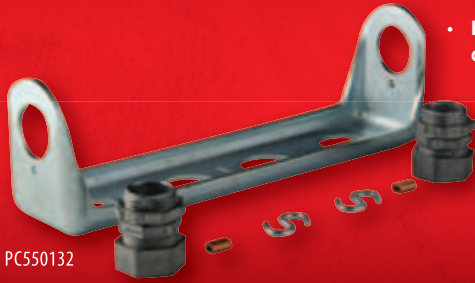
Part #	Pull Stations & Accessories
PCRPSM	Remote Pull Station - Mechanical (551074)
PCRPE2	Remote Pull Station - Electrical (551166)
PC551709	Break Rods for PCRPSM (20/pack) (551709)
PCRPEGR	Break Rods for PCRPE2 (12/pack) 2" L x 1/4" Dia. (550299)
PCRPSMTR	Trim Ring for Flush Mounting PCRPSM (550088)
PCRPSMBOX	Pull Station Back Box (Red) (550527)

Part #	Microswitches & Accessories
PCSPDT2	One Switch Kit - Microswitch (551154)
PCDPDT2	Two Switch Kit - Microswitch (551155)
PC3PDT2	Three Switch Kit - Microswitch (551156)
PC4PDT2	Four Switch Kit - Microswitch (551157)
PC552173	Switch Kit Extension Kit (552173)
PC550077	Alarm Initiating Switch (550077)

MICROSWITCHES ARE INTENDED for use with electrical gas valves, local alarms*, contactors, lights, contractor supplied electric power shut-off devices and other electrical devices that are designed to shut-off or turn on when the system is actuated. *Not for use as a supervised alarm initiation switch.



FUSIBLE LINKS, LINK HOUSING BRACKET KITS & CORNER PULLEYS



PC550132

- Kits include bracket, 2 EMT connectors, 2 cable crimps and 2 S hooks



PC550131



PCFLH25

- Simplifies the installation of fusible links
- Install fusible links without cutting and crimping cable
- Sold individually, available in packs of 25

LINK HOUSING BRACKETS are designed to support a fusible link line. They serve as support for the linkage and are attached to a rigid surface.

BRACKETS MUST BE installed in the plenum area of the hood, over each appliance and in each duct.

BRACKETS ARE STRONG enough to be flush or EMT Conduit mounted.

THEY HAVE DRAWN steel flanges for superior rigidity.

SERIES LINK HOUSING brackets are any bracket located between the actuation device and the terminal bracket (last bracket).

Part # Link Housing Bracket Kits & Accessories

PC550132	Link Housing Bracket Kit - 8" (550132)
PC550041	Link Housing Bracket Kit - 8" (25/pack) (550041)
PC550131	Link Housing Bracket Kit - 10" (550131)
PC550035	Link Housing Bracket Kit - 10" (25/pack) (550035)
PCFLH25	Fusible Link Hanger (550876)

- Required to change the direction of cable by 90°
- Equipped for a connection to 1/2" EMT Conduit
- High temperature, ball bearing wheels for minimum resistance to cable travel
- PC550982 used in areas likely to experience excessive moisture build-up



PC423250



PC415670



PC550982

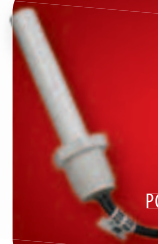


MCP1



1513

- For use only with two gas valve or remote pull station lines
- Steel compression nuts equipped for a connection to 1/2" EMT Conduit
- Classified parts are listed per NFPA by UL for use in Pyro-Chem systems



PC013976

- Normally Open
- Designed to operate at a factory preset temperature
- UL Listed
- FM Approved

Part # Corner Pulleys & Tee Pulley

PC423250	TSS Corner Pulley - Compression Style (423250)
PC551161	TSS Corner Pulley - Compression Style (10/pack) (551161)
PC423251	TSS Corner Pulley - Compression Style (50/box) (423251)
PC415670	TSS Corner Pulley - Set Screw Style (415670)
PC551160	TSS Corner Pulley - Set Screw Style (10/pack) (551160)
PC415671	TSS Corner Pulley - Set Screw Style (50/box) (415671)
PC550982	TSS Corner Pulley - Weather Resistant Style (550982)
MCP1	TSS Mini Corner Pulley
1513	Tee Pulley - Compression Style

Part # Heat Detectors

PC013976	Heat Detector - 225°F (013976)
PC013975	Heat Detector - 325°F (013975)
PC013974	Heat Detector - 450°F (013974)
PC013971	Heat Detector - 600°F (013971)
PC432973	Heat Detector (TD-190) - 190°F (432973)
PC432974	Heat Detector (TD-225) - 225 °F (432974)





PC15821

- Aircraft-type stainless steel $\frac{1}{16}$ " cable
- 7x7 construction for greater flexibility
- Preformed to prevent unraveling



PC79653



341S



320S



576

Part #	Cable & Accessories
PC15821	50' x $\frac{1}{16}$ " Stainless Steel Cable - 316SS (15821)
PC79653	500' x $\frac{1}{16}$ " Stainless Steel Cable - 316SS (79653)
341S	S-Hooks (100/pack)
320S	$\frac{1}{16}$ " Zinc-Plated Copper Crimp (100/pack)
576	$\frac{1}{16}$ " Copper Stop Crimp (100/pack)

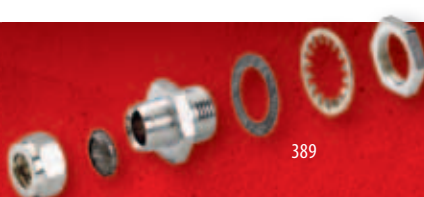
Part #	Hood Seals
395J	Jiffy Seal - $\frac{3}{8}$ " Pipe, $\frac{1}{8}$ " Hole
396J	Jiffy Seal - $\frac{1}{2}$ " Pipe, $\frac{1}{8}$ " Hole
389	Compression Seal - $\frac{1}{2}$ " EMT Conduit
JCPLT	Jiffy Corner Pulley Seal w/ Connector



396J

For Part # 395J and 396J

- Couples pipe or EMT at the penetration of hood or duct
- Accepts threaded pipe or $\frac{1}{2}$ " EMT Conduit connector (396J only)
- Pipe or EMT Conduit connector must be installed on both ends of the adapter
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities



389

For Part # 389

- Straight through design allows pipe or EMT Conduit to pass through hood or duct penetration with no cutting of pipe or conduit
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities



JCPLT

For Part # JCPLT

- Eliminates the need for multiple corner pulleys when installing the detection line through the top of the hood
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities
- Corner pulley not included

PER NFPA 96 "Penetrations shall be permitted to be sealed by devices that are listed for such use and whose presence does not detract from the hood's or duct's structural integrity."

PROVIDES tight seal around distribution piping, detection line and existing hood penetrations.

PER NFPA 96 Liquid tight - constructed and performing in such a manner as not to permit the passage of any liquid at any temperature.

SEALS MAY ALSO be used in industrial fire suppression system installations and for installation of heat detectors.

- **Chrome-plated for corrosion resistance and appearance**
- **Meet requirements of NFPA 96**
- **UL Listed**
- **Sold individually - Jiffy Seals available in boxes of 10; compression seals available in boxes of 24**



PC435959

PC434525

PC434347

PC435979

PC436150

- Can be used with the remote mechanical pull station and mechanical gas valve
- Eliminates the need for $\frac{1}{2}$ " EMT Conduit in the mechanical pull station and gas valve lines
- Allows for quicker installations
- Can be used as a substitute for $\frac{1}{2}$ " EMT Conduit
- Cannot be used in detection systems



800ST



PC436063

Part #	Flexible Conduit & Accessories
PC435959	Flexible Conduit and Cable - 500' (435959)
PC434525	Flexible Conduit - 500' (434525)
PC434347	Flexible Conduit Insert (50/pack) (434347)
PC435979	Flexible Conduit Strain Relief (50/pack) (435979)
PC436150	P-Clip (50/pack) (436150)
800ST	$\frac{1}{2}$ " EMT Conduit Zinc-Plated Steel Compression Connector
PC436063	Conduit Off-Set (6/pack) (436063)





PC550595

- Rated for natural and LP gas
- Normally closed
- Spring loaded
- Requires five pounds of force to hold it open
- Uses ½" hex wrench (10064) on gas valve ratchet wheel
- PC550603 included with valves also sold separately



PC550603



8100

- Designed to shut off flow of gas upon system actuation
- Rated for natural gas
- Valve is held open by an energized solenoid
- 120VAC
- UL Listed, FM Approved

Part # Mechanical Gas Valves & Accessories

PC550593	¾" Mechanical Gas Valve (550593)
PC550594	1" Mechanical Gas Valve (550594)
PC550595	1¼" Mechanical Gas Valve (550595)
PC550596	1½" Mechanical Gas Valve (550596)
PC551049	2" Mechanical Gas Valve (551049)
PC550185	2½" Mechanical Gas Valve (550185)
PC550186	3" Mechanical Gas Valve (550186)
PC550603	Gas Valve Box Assembly - Red (550603)

Part # Solenoid Gas Valves

8075	¾" ASCO Electric Gas Valve (110-120VAC)
8100	1" ASCO Electric Gas Valve (110-120VAC)
8125	1¼" ASCO Electric Gas Valve (110-120VAC)
8150	1½" ASCO Electric Gas Valve (110-120VAC)
8200	2" ASCO Electric Gas Valve (110-120VAC)
8250	2½" ASCO Electric Gas Valve (110-120VAC)
8300	3" ASCO Electric Gas Valve (110-120VAC)

A GAS SHUT off valve is required on all systems used to protect a gas-fueled cooking appliance to stop gas flow in the event of system actuation.

PER NFPA 17A - "On actuation of any cooking equipment fire extinguishing system, all sources of fuel and electric power that produce heat to all equipment protected by the system shall be shut down."

PER NFPA 17A - "Shutoff devices shall require manual resetting prior to fuel or power being restored."

THE GAS VALVE is spring loaded and requires five pounds of force to hold it open. This force is supplied by stainless steel cable that is connected to the control mechanism.

THE GAS VALVE'S two-way aluminum body meets the safety standards for commercial industrial and institutional kitchens set by NFPA.



PCSM120

- Works in conjunction with the electric control head to supervise the actuation and detection circuits
- Acts as a reset relay when used with an electric gas valve
- Mounts directly to a three gang wall outlet box

Part # Circuit Monitors

PCSM120	120VAC System Circuit Monitor (550302)
PCSM24	24V System Circuit Monitor (550303)





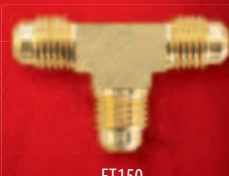
FT1



FT110



FT120



FT150

- Provides ease and convenience for cylinder installations
- Made to meet SAE J513c specifications

Part # Brass Flare Fittings

FT1 Remote Cylinder Mounting Tube Fittings Kit - For 1 Cylinder Systems

FT2 Remote Cylinder Mounting Tube Fittings Kit - For 2 Cylinder Systems

FT3 Remote Cylinder Mounting Tube Fittings Kit - For 3 Cylinder Systems

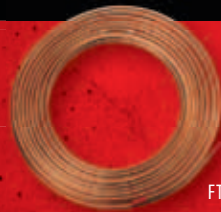
Part # Brass Flare Fittings

FT4 Reducing Fittings Kit For PAC10 Actuating Cylinders

FT110 ¼" 45° Flare Nut - 7/16"-20

FT120 ¼" 45° Flare Connector - 7/16"-20

FT150 ¼" 45° Flare Tee - 7/16"-20



FT160

- Joined by flare-type and compression fittings
- Favorite choice for plumbing, heating, cooling, and other systems
- Manufactured to meet the specifications established by ASTM International

Part # Copper Tube

FT160 ¼" Copper Tube - 50'



PC551175



PC550985

- For use with p/n PC551175 (complete wet valve assembly)
- Must be rebuilt after system discharge
- O-rings should be lubricated with Parker O-lube (OR3)



PC551236



PC490020831

Part # Valve Assembly & Replacement Components

PC551175 Complete Wet Valve Assembly (551175)

PC550985 Pressure Regulator Assembly (550985)

PC551236 Wet Valve Gauge 225psi (551236)

PC490020831 Wet Valve Cap Assembly (550831)

Part # Valve Assembly & Replacement Components

PC385420705 Wet Valve Spring (550705)

PC325420716 Wet Valve O-Ring (550716)

PC712420707 Wet Valve Piston (550707)

PC325420715 Wet Valve Piston O-Ring (550715)

PC325420714 Wet Valve Cap O-Ring (550714)



PC490420698

- Includes all components to rebuild valve
- O-rings should be lubricated with Parker O-lube (OR3)



PC551061

Part # Rebuild Kits

PC490420698 Wet Valve Rebuilding Kit (550698)

PC551061 Pressure Regulator Rebuild Kit (551061)



PAC10



PC240020026

- PAC10 actuates up to 10 cylinders
- Wall mounting bracket included
- Charged to 350psig at 70°F
- Uses dry valve rebuilding kit

Part # Actuating Cylinders & Accessories

PAC10 Pneumatic Actuating Cylinder (550104)

PC240020026 High-Temperature Relief Plug, 212°F For PAC10 (550026)



PC31809

- Four different lengths available
- Used to connect the actuation line flare tees
- Can be connected end to end

Part # Actuation Hoses

PC417582 8" Stainless Steel Actuation Hose - 7/16"-20 F (417582)

PC31809 16" Stainless Steel Actuation Hose - 7/16"-20 F (31809)

PC32336 24" Stainless Steel Actuation Hose - 7/16"-20 F (32336)

PC430815 42" Stainless Steel Actuation Hose - ¼" NPT (M) x 7/16"-20 F (430815)



PC435982

- Used with castered appliances
- Allows movement of appliance for cleaning without having to disconnect any discharge piping

Part # Distribution Hose

PC435982 Agent Distribution Hose Kit - 5' long (435982)

PYRO-CHEM KITCHEN KNIGHT II SYSTEM COMPONENTS



RECHARGE TOOLS, ACCESSORIES, & TEST CYLINDERS



PC551240



PC552181



PC550938



PCVT1

- Facilitates the rebuilding of valve assembly
- Used to hold piston while unscrewing the valve cap and stem assembly



PC551039
DETAIL

PC551039
STICK

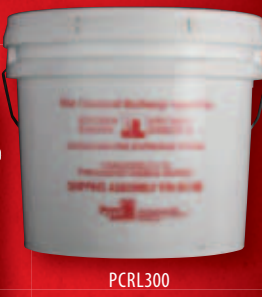
Part #	Recharge Adaptors
PC551240	Recharge Adaptor Kit (551240)
PC552181	Hydrotest Adaptor (552181)
PC550938	Bleed Down Adaptor Kit (550938)

Part #	Recharge Tools
PCVT1	Wet Valve Tool (550788)
PC551039	Agent Level Measuring Stick (551039)

PYRO-CHEM KITCHEN KNIGHT II SYSTEM COMPONENTS



PCRL160



PCRL300

- Sold Individually, Available in skid of 24

Part #	Recharge
PCRL160	Wet Chemical Recharge Agent, 1.6 gallon (553176)
PCRL300	Wet Chemical Recharge Agent, 3 gallon (551188)



553376

- Model KS6100
- Rating: 2A-K
- Stainless steel shell
- 7" shell dia.

Part #	Class K Fire Extinguisher
553376	6 Litre Kitchen One Wet Chemical Fire Extinguisher (553376)



PC79656

- Sold individually, available in case of 12
- Required when flushing the system

Part #	Flushing Concentrate
PC79656	Flushing Concentrate - 32 oz Container (79656)



PC553486

Part #	Caution Exhaust Fan Labels
PC553486	Exhaust Fan Caution Labels (10/pack) (553486)



PCL600T

Part #	Test Cylinders
PCL300T	3 Gallon Test Cylinder (551024)
PCL460T	4.6 Gallon Test Cylinder (550902)
PCL600T	6 Gallon Test Cylinder (550901)



KKIIMAN

Part #	Manual
KKIIMAN	System Technical Manual (551274)



- Sizes expressed in terms of extinguishing agent capacity
- Each cylinder must be separately piped to its own nozzles
- All cylinders utilize same valve assembly
- Rated to protect Class A, B and C or B and C hazards
- For indoor hazard protection only
- Manufactured, tested and marked in accordance with DOT specification
- Charged to 350psig at 70°F



Part #	Cylinders
PCI15ABC	15lb. ABC Cylinder & Valve Assembly (550388)
PCI17ABC	17lb. ABC Cylinder & Valve Assembly (551654)
PCI25ABC	25lb. ABC Cylinder & Valve Assembly (550390)
PCI25BC	25lb. BC Cylinder & Valve Assembly (550391)

Part #	Cylinders
PCI35ABC	35lb. ABC Cylinder & Valve Assembly (551097)
PCI50ABC	50lb. ABC Cylinder & Valve Assembly (550392)
PCI50BC	50lb. BC Cylinder & Valve Assembly (550393)
PCI70ABC	70lb. ABC Cylinder & Valve Assembly (551094)

- PCMB15 used with PCI15ABC, PCI17ABC and PCI25ABC/BC cylinders
- PCMB1 used with PCI35ABC and PCI50ABC/BC cylinders
- PC550665 used with PCI70ABC cylinder



- PCMBU8 used with PCI15ABC, PCI17ABC and PCI25ABC/BC cylinders (8" dia. cylinders)
- PCMBU10 used with PCI35ABC and PCI50ABC/BC cylinders (10" dia. cylinders)
- PCMBU12 used with PCI70ABC cylinder (12" dia. cylinders)
- Requires unistrut channeling

Part #	Brackets & Accessories
PCMB15	Cylinder Mounting Bracket (550054)
PCMB1	Cylinder Mounting Bracket (550053)
PC550665	Cylinder Mounting Bracket (550665)
PCMBU8	Vertical Floor Mounting Bracket - Unistrut Type for 8" Dia. Cylinder (550324)
PCMBU10	Vertical Floor Mounting Bracket - Unistrut Type for 10" Dia. Cylinder (550383)
PCMBU12	Vertical Floor Mounting Bracket - Unistrut Type for 12" Dia. Cylinder (550638)
PC350420746	Replacement Strap for PCMB15 & PCMB1 Mounting Brackets (550746)
PC550663	Replacement Strap for PC550665 Mounting Bracket (550663)

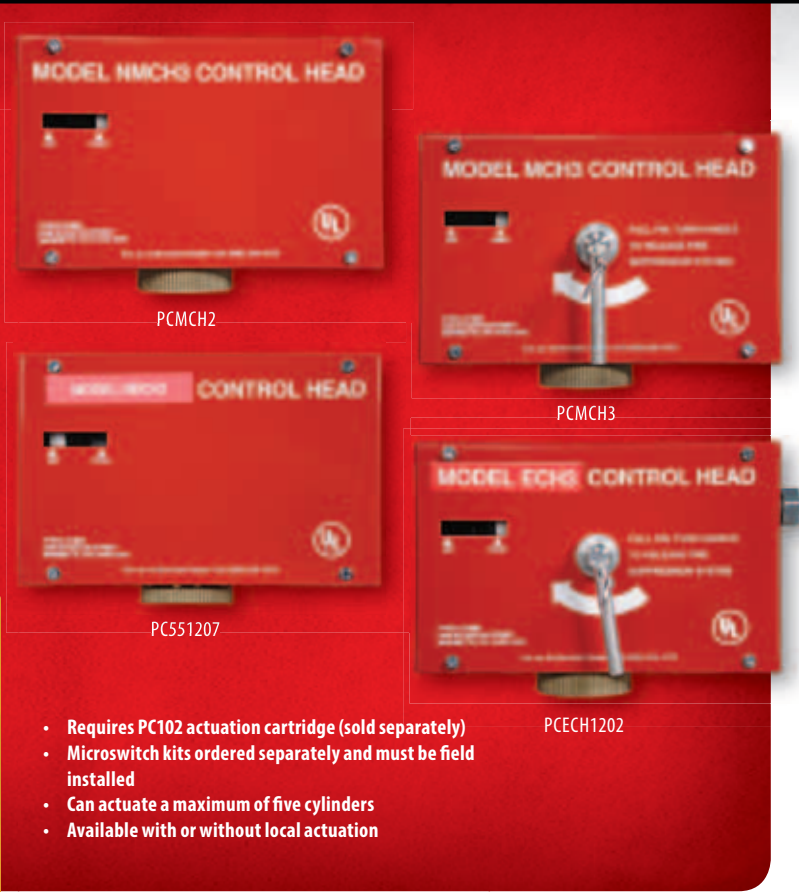
Part #	Pneumatic Actuating Adaptor
PDAD2	Pneumatic Actuating Adaptor (550829)

- Required for each cylinder, unless control head is mounted directly to cylinder
- Used to open cylinder valve when the system is actuated



PYRO-CHEM MONARCH SYSTEM COMPONENTS





- Requires PC102 actuation cartridge (sold separately)
- Microswitch kits ordered separately and must be field installed
- Can actuate a maximum of five cylinders
- Available with or without local actuation

- Required for mounting control head if it is not directly mounted on a cylinder

- Required to pneumatically actuate the cylinder valve
- Sold individually, available in boxes of 6
- Must be purchased separately

- Required to be installed on all vehicle paint spray booths
- Allows for exhaust fan shut down before agent discharge
- Must be mounted directly to control head

Part # Control Heads

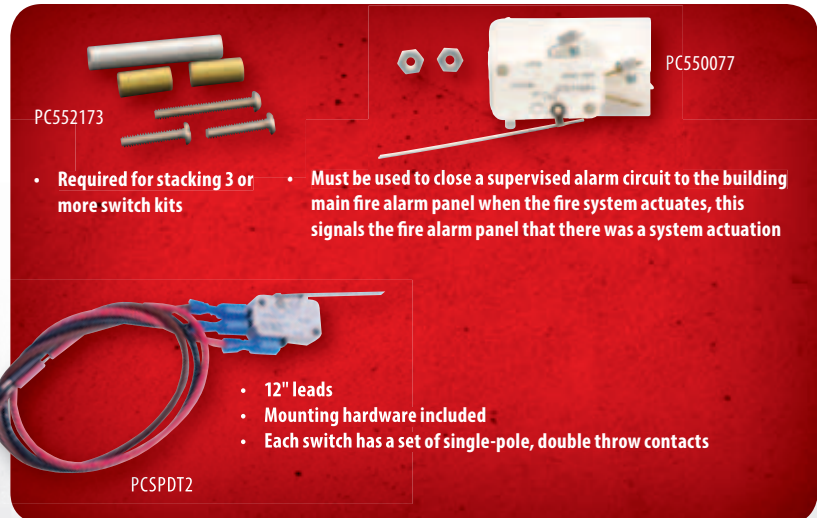
PCMCH2	Mechanical Control Head - No Local Actuation (551203)
PCMCH3	Mechanical Control Head -w/Local Actuation (551200)
PC551207	Electric Control Head - 120VAC - No Local Actuation (551207)
PC551206	Electric Control Head - 24VDC - No Local Actuation (551206)
PCECH1202	Electric Control Head - 120VAC - w/Local Actuation (551202)
PCECH242	Electric Control Head - 24VDC - w/Local Actuation (551201)

Part # Control Head Accessories

PC550101	Replacement Cover for PCMCH2 (550101)
PCMBP2	Control Head Mounting Bracket (550853)
PC102	CO ₂ Actuation Cartridge (16 gram) (551059)
PC55531	Replacement Cartridge Receiver O-Ring (55531)
10064	½" Hex Wrench
PCTD10	Time Delay - Vehicle Paint Spray Booth (551511)

Part # Microswitches & Accessories

PCSPDT2	One Switch Kit - Microswitch (551154)
PCDPDT2	Two Switch Kit - Microswitch (551155)
PC3PDT2	Three Switch Kit - Microswitch (551156)
PC4PDT2	Four Switch Kit - Microswitch (551157)
PC552173	Switch Kit Extension Kit (552173)
PC550077	Alarm Initiating Switch (550077)



- Required for stacking 3 or more switch kits
- Must be used to close a supervised alarm circuit to the building main fire alarm panel when the fire system actuates, this signals the fire alarm panel that there was a system actuation

- 12" leads
- Mounting hardware included
- Each switch has a set of single-pole, double throw contacts



Part # Pull Stations & Accessories

PCRPSM	Remote Pull Station - Mechanical (551074)
PCRSE2	Remote Pull Station - Electrical (551166)
PC551709	Break Rods for PCRPSM (20/pack) (551709)
PCRSEGR	Break Rods for PCRSE2 (12/pack) 2" L x 1/4" Dia. (550299)
PCRSMTR	Trim Ring for Flush Mounting PCRPSM (550088)
PCRPSMBOX	Pull Station Back Box - Red (550527)

- Provides a means of manual actuation of a fire suppression system from a remote location
- Should be mounted at a point of egress and positioned at a height determined by NFPA standards or your AHJ
- Can be mounted in a recessed or surface mount fashion
- Includes back box



PCRPSM



PCRSE2



PCRSMTR



PCNLAABC



PCNLABC



PCNDCT



PCNFABC

- Each nozzle developed for use in specific areas of a paint spray booth
- Nozzle quantity, location and orientation must be in accordance with the Monarch Technical Manual
- Equipped with nozzle caps to prevent foreign matter from clogging the nozzles



PCNOTF



PCNPLU



PCNSCR



PCNTS



PCNVP1



PCNSVW



PCNVUF



PCNVWA



PC305120333



PC305120644

Part # Nozzles & Accessories

PCNLAABC	ABC Local Application Overhead Nozzle with Cap (550646)
PCNLABC	BC Local Application Overhead Nozzle with Cap (550342)
PCNDCT	Exhaust Duct Nozzle with Cap - Open Face and Vehicle Paint Booth (551101)
PCNFABC	Total Flooding Nozzle with Cap (551678)
PCNOTF	Work Area Flooding Nozzle with Cap - Open Face Paint Booth (551099)
PCNPLU	Plenum Nozzle with Cap - Open Face Paint Booth (551100)
PCNSCR	Screening Nozzle with Cap - Open Face Paint Booth (551098)
PCNTS	Local Application Tank side Nozzle with Cap (550337)
PCNVDP2	Exhaust Duct/End Plenum Area Nozzle with Cap - Vehicle Paint Booth (551653)
PCNVP1	Overhead Plenum Area Nozzle with Cap - Vehicle Paint Booth (551652)
PCNSVW	Work Area Sidewall Nozzle with cap - Vehicle Paint Booth (552175)
PCNVUF	Under Floor Plenum Area Nozzle with Cap - Vehicle Paint Booth (551651)
PCNVWA	Work Area Nozzle with Cap - Vehicle Paint Booth (551650)
PC305120333	Industrial Nozzle Cap (550333)
PC305120644	Industrial Nozzle Cap for PCNLAABC & PCNLABC (550644)
PC550129	Replacement Nozzle O-Ring (551029)

PYRO-CHEM MONARCH SYSTEM COMPONENTS



LINK HOUSING BRACKET KITS, CORNER PULLEYS, & HOOD SEALS



PC550132

- Kits include bracket, 2 EMT connectors, 2 cable crimps and 2 S hooks



PC550131



PCFLH25

- Simplifies installation of fusible links
- Install fusible links without cutting & crimping
- Sold individually, available in packs of 25

Part # Link Housing Bracket Kits & Accessories

PC550132	Link Housing Bracket Kit- 8" (550132)
PC550041	Link Housing Bracket Kit- 8" (25/pack) (550041)

Part # Link Housing Bracket Kits & Accessories

PC550131	Link Housing Bracket Kit- 10" (550131)
PC550035	Link Housing Bracket Kit- 10" (25/pack) (550035)
PCFLH25	Fusible Link Hanger (550876)



PC423250

- Required to change the direction of cable by 90°
- Equipped for a connection to ½" EMT Conduit
- High temperature, ball bearing wheels for minimum resistance to cable travel
- PC550982 used in areas likely to experience excessive moisture build-up



PC415670



PC550982

Part # Corner Pulleys

PC423250	TSS Corner Pulley - Compression Style (423250)
PC551161	TSS Corner Pulley - Compression Style (10/pack) (551161)
PC423251	TSS Corner Pulley - Compression Style (50/box) (423251)
PC415670	TSS Corner Pulley - Set Screw Style (415670)
PC551160	TSS Corner Pulley - Set Screw Style (10/pack) (551160)
PC415671	TSS Corner Pulley - Set Screw Style (50/box) (415671)
PC550982	TSS Corner Pulley - Weather Resistant Style (550982)



1513

- For use only with two gas valve or remote pull station lines
- Steel compression nuts equipped for a connection to ½" EMT Conduit
- Classified parts are listed per NFPA by UL for use in Pyro-Chem systems

Part # Tee Pulley

1513	Tee Pulley - Compression Style
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397J

- Couples pipe or EMT at the penetration of hood or duct
- Pipe or EMT Conduit connector must be installed on both ends of the adapter
- UL Listed
- Meets the requirements of NFPA96
- Sold individually, available in box quantities

Part # Hood Seals

397J	Jiffy Seal - ¾" Pipe
399J	Jiffy Seal - 1" Pipe

PYRO-CHEM MONARCH SYSTEM COMPONENTS

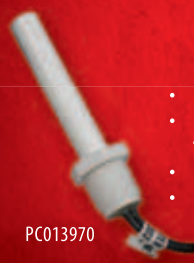


FIXED TEMPERATURE THERMAL detectors are normally open devices designed especially for fire detection and alarm systems. Generally used for protection of gas station islands, paint spray booths, range hoods, schools, factories, and offices.

HEAT DETECTORS CAN be mounted using a 396J (Jiffy Seal- $\frac{1}{2}$ " Pipe). They are not directionally affected. Mount horizontally or vertically. Hand tighten ONLY.

DETECTORS CAN BE wired in or out of conduit, depending on local preferences and codes. All electrical connections on outdoor installations should be made in a weatherproof enclosure or junction box.

PLEASE REFER TO NFPA 72 for application requirements, testing, and maintenance.



PC013970

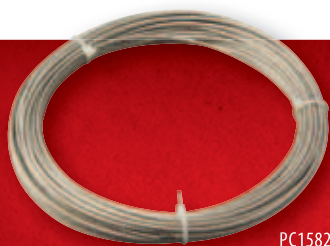
- Normally Open
- Designed to operate at the factory preset temperature
- UL Listed
- FM Approved



PC432973

Part # Heat Detectors

PC013970	Heat Detector - 190°F (013970)
PC013976	Heat Detector - 225°F (013976)
PC013975	Heat Detector - 325°F (013975)
PC013974	Heat Detector - 450°F (013974)
PC013971	Heat Detector - 600°F (013971)
PC432973	Heat Detector (TD-190) - 190°F (432973)
PC432974	Heat Detector (TD-225) - 225 °F (432974)



PC15821

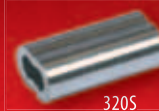
- Aircraft-type stainless steel $\frac{1}{16}$ " cable
- 7x7 construction for greater flexibility
- Preformed to prevent unraveling



PC79653



341S



320S



576

Part # Cable

PC15821	50' x $\frac{1}{16}$ " Stainless Steel Cable 316SS (15821)
PC79653	500' x $\frac{1}{16}$ " Stainless Steel Cable 316SS (79653)

Part # Cable Accessories

341S	S-Hooks (100/pack)
320S	$\frac{1}{16}$ " Zinc Plated Copper Crimp (100/pack)
576	$\frac{1}{16}$ " Copper Stop Crimp (100/pack)



FT110



FT120



FT150

Part # Brass Flare Fittings

FT110	$\frac{1}{4}$ " 45° Flare Nut $\frac{7}{16}$ - 20
FT120	$\frac{1}{4}$ " 45° Flare Connector $\frac{7}{16}$ - 20
FT150	$\frac{1}{4}$ " 45° Flare Tee $\frac{7}{16}$ - 20



FT160

- Joined by flare-type and compression fittings
- Favorite choice for plumbing, heating, cooling and other systems
- Manufactured to meet the specifications established by ASTM International

Part # Copper Tube

FT160	$\frac{1}{4}$ " Copper Tube - 50'
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PC417788

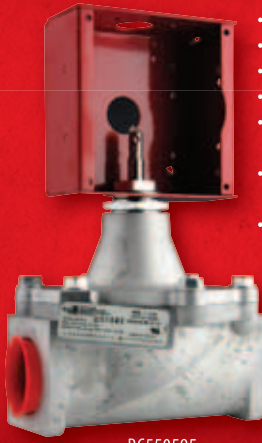
- Used when piping a main and reserve cylinder on the same distribution piping
- Brass valve body

Part # Swing Check Valve

PC417788	Swing Check Valve (417788)
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GAS VALVES, ACTUATION CYLINDERS, & ACCESSORIES



PC550595

- Rated for natural and LP gas
- Normally closed
- Spring loaded
- Requires five pounds of force to hold it open
- Uses 1/2" hex wrench (10064) on gas valve ratchet wheel
- Valve body has arrow which indicates direction of gas flow
- PC550603 included with valves also sold separately



PC550603



8100

- Designed to shut off flow of gas upon system actuation
- Rated for natural gas
- Valve is held open by an energized solenoid
- 120VAC
- UL Listed, FM Approved

Part # Gas Valves & Accessories

PC550593	3/4" Pyro-Chem Mechanical Gas Valve (550593)
PC550594	1" Pyro-Chem Mechanical Gas Valve (550594)
PC550595	1 1/4" Pyro-Chem Mechanical Gas Valve (550595)
PC550596	1 1/2" Pyro-Chem Mechanical Gas Valve (550596)
PC551049	2" Pyro-Chem Mechanical Gas Valve (551049)
PC550185	2 1/2" Pyro-Chem Mechanical Gas Valve (550185)
PC550186	3" Pyro-Chem Mechanical Gas Valve (550186)
PC550603	Gas Valve Box Assembly - Red (550603)

Part # Circuit Monitors

PC551594	ECH/SM-120 Control Head and System Circuit Monitor (551594)
PCSM120	120VAC System Circuit Monitor (550302)
PCSM24	24VDC System Circuit Monitor (550303)

Part # Gas Valves & Accessories

8075	3/4" ASCO Electric Gas Valve (110-120VAC)
8100	1" ASCO Electric Gas Valve (110-120VAC)
8125	1 1/4" ASCO Electric Gas Valve (110-120VAC)
8150	1 1/2" ASCO Electric Gas Valve (110-120VAC)
8200	2" ASCO Electric Gas Valve (110-120VAC)
8250	2 1/2" ASCO Electric Gas Valve (110-120VAC)
8300	3" ASCO Electric Gas Valve (110-120VAC)

- Works in conjunction with the electric control head to supervise the actuation and detection circuits
- Acts as a reset relay when used with an electric gas valve
- Mounts directly to a three gang wall outlet box



PCSM120



- PAC10 actuates up to 10 cylinders, PAC200 actuates up to 20 cylinders
- Wall mounting bracket included
- Charged to 350psig at 70°F
- Uses dry valve rebuilding kit

PAC10



PC551559



PC240020026

Part # Actuating Cylinders & Accessories

PAC10	Pneumatic Actuating Cylinder (550104)
PC551559	Pneumatic Actuating Cylinder (PAC10) w/Pressure Switch (551159)
PAC200	Pneumatic Actuating Cylinder (550690)
PC551561	Pneumatic Actuating Cylinder (PAC200) w/Pressure Switch (551561)
PC240020026	High Temperature Relief Plug 212°F for PAC10 and PAC200 (550026)

- Four different lengths available
- Used to connect the actuation line flare tees
- Can be connected end to end



PC31809

Part # Actuation Hoses

PC417582	8" Stainless Steel Actuation Hose - 7/16-20 F (417582)
PC31809	16" Stainless Steel Actuation Hose - 7/16-20 F (34809)
PC32336	24" Stainless Steel Actuation Hose - 7/16-20 F (32336)
PC430815	42" Stainless Steel Actuation Hose - 1/4" NPT (M) x 7/16-20 F (430815)





PC490020037

Part # Valve Rebuild Kit

PC490020037 Dry Valve Rebuilding Kit (550037)



PC490020812



PC325020028



PC325020029



PC325020636



PC385020022



PC733020024



PC732020025



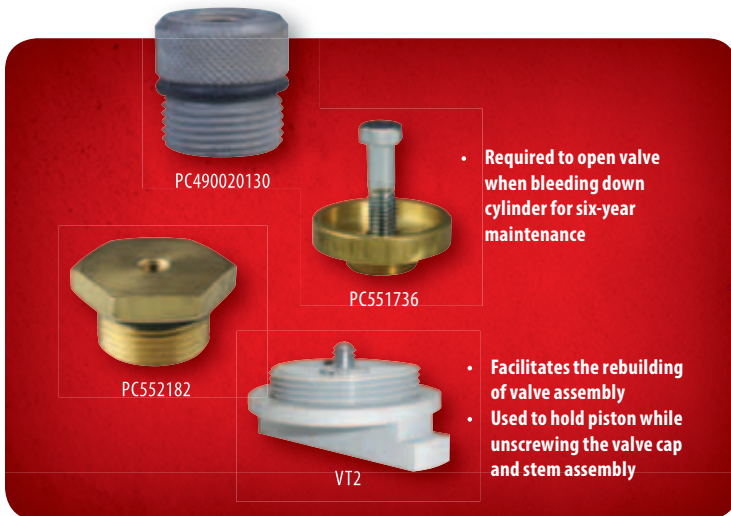
PC741020805

Part # Valve Assembly & Replacement Components

PC490020812	Complete Dry Valve Assembly (550812)
PC732020025	Dry Valve Pressure Gauge - 350psi (550025)
PC325020028	Dry Valve Stem O-Ring (550028)
PC325020029	Dry Valve Body O-Ring (550029)

Part # Valve Assembly & Replacement Components

PC325020636	Dry Valve Piston O-Ring (550636)
PC385020022	Dry Valve Spring (550022)
PC733020024	Dry Valve E-Clip (550024)
PC741020805	Dry Valve Piston (550805)
PC975320261	Dry Valve Washer (550261)



PC490020130

PC551736

PC552182

VT2

- Required to open valve when bleeding down cylinder for six-year maintenance

- Facilitates the rebuilding of valve assembly
- Used to hold piston while unscrewing the valve cap and stem assembly

Part # Recharge Adaptors & Tools

PC490020130	Dry Valve Recharge Adaptor Kit (550130)
PC552182	Hydrotest Adaptor - Monarch & ADT35/75 (552182)
PC551736	Pressure Bleed Down Adaptor (551736)
VT2	Dry Valve Tool (550877)



RC50ABC

RC50BC

Part # Recharge

RC50ABC	ABC - Monoammonium Phosphate Recharge Pail, 50 lb. (550696)
RC50BC	BC - Sodium Bicarbonate Recharge Pail, 50 lb. (550695)



Part # Manual

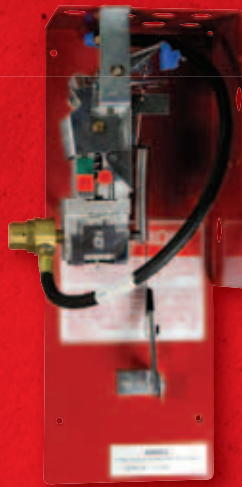
MONMAN System Technical Manual



RELEASES, ACTUATORS, TANKS, BRACKET, & ENCLOSURES



AS429853

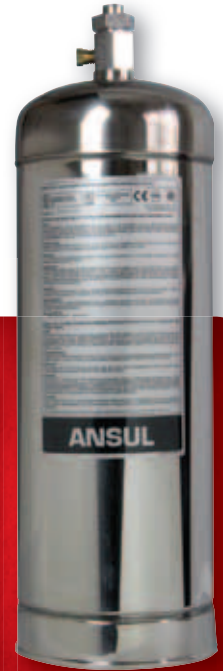


AS79493



AS429850

- Tanks sold separately
- Enclosure assemblies include expellant gas hose



AS429862



AS429864

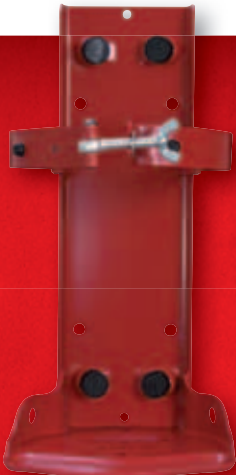
- Available in two sizes
- Tanks shipped empty
- Must be filled with Ansulex (sold separately)
- Must be installed in a bracket or stainless steel enclosure (sold separately)

Part # Releases & Actuators

AS429853	Automan - Mechanical Regulated Release w/ Enclosure
AS79493	Automan - OEM Mechanical Regulated Release w/Bracket
AS429850	Regulated Actuator w/Enclosure

Part # Tank Assemblies

AS429864	1.5 Gallon Stainless Steel Tank Assembly
AS429862	3 Gallon Stainless Steel Tank Assembly



AS429878

- Constructed of mild steel
- Painted Red
- For use with 3 gallon tanks only



AS429870

- For use with 1.5 gallon or 3 gallon tank



AS429872

- Includes 2 expellant gas hose & grommet assemblies
- Can be coupled with a 3 gallon regulated release assembly or 3 gallon regulated actuator

Part # Bracket & Enclosures

AS429878	Tank Mounting Bracket
AS429870	Single Tank Stainless Steel Enclosure
AS429872	Dual Tank Stainless Steel Enclosure

ANSUL R-102 SYSTEM COMPONENTS



- Sealed steel pressure vessel containing carbon dioxide or nitrogen used to pressurize the agent tank
- Four nitrogen and three carbon dioxide cartridges available
- Refer to installation manual for cartridge and tank requirements
- Sold individually, available in box of 16 (except AS15850, available in box of 25)

Part #	Cartridges
AS7032	Nitrogen Cartridge - LT-20-R
AS5373	Nitrogen Cartridge - LT-30-R
AS15850	Carbon Dioxide Cartridge - 101-10
AS17492	Carbon Dioxide Cartridge - 101-20
AS15851	Carbon Dioxide Cartridge - 101-30
AS73022	Nitrogen Cartridge - Double Tank
AS29187	Nitrogen Cartridge - LT-A-101-30



834

Intended for use with electrical gas valves, alarms, contactors, lights, contractor supplied electric power shut-off devices and other electrical devices that are designed to shut-off or turn on when the system is actuated

- Includes mounting hardware
- 12" leads

AS428311 must be used to close a supervised alarm circuit to the building main fire alarm panel when the fire system actuates, this signals fire alarm panel that there was a system actuation

AS428311

ABES

AS423879

Part #	Microswitches & Accessories
834	Ansul Style Single Pole Microswitch
554	Ansul Style Double Pole Microswitch
734	Ansul Style Four Pole Microswitch
ABES	Microswitch Brass Extension Studs (6/pack)
AS423879	Double Pole Double Throw Microswitch
AS428311	Alarm Initiating Switch - SPDT

Part #	Pull Stations & Accessories
AS434618	"New" Molded Remote Mechanical Pull Station
AS435725	Replacement Bearing and Bolt for AS434618 (10/pack)
AS435726	Replacement Pull Tab for AS434618 (10/pack)
450XC	Ansul Style Remote Manual Pull Station
170	Break Rods for Ansul Style Remote Pull Stations (10/pack) - 1/8" D x 3 3/8" L
449	Heavy Duty Mounting Box for Ansul Style Remote Pull Stations
449C	Heavy Duty Chrome Mounting Box for Ansul Style Remote Pull Stations
450TR	Stainless Steel Trim Ring for Ansul Style Remote Pull Stations



ANSUL R-102 SYSTEM COMPONENTS



NOZZLES, FUSIBLE LINKS & ACCESSORIES



AS419344



AS419345



AS419346



AS419347



AS419348

- Chrome-plated body
- Each nozzle tested and listed for specific applications
- Nozzle tips are stamped with flow point designation (1/2, 1, 2 or 3)
- Supplied with blow-off cap to keep nozzle tip orifice free of grease build-up
- Sold individually



AS419349



AS419350



AS419351



AS419352



AS419353



AS419354



AS434455

- Kit includes nozzles (1N and 1F), swivel adaptors, tee block assembly (434424), close nipples, various ss pipe lengths and instruction sheet

Part # Nozzles

AS419344	1F Nozzle (419333) - 1 flow point
AS419345	1/2N Nozzle (419334) - 1/2 flow point
AS419346	1N Nozzle (419335) - 1 flow point
AS419347	1W Nozzle (419336) - 1 flow point
AS419348	2W Nozzle (419337) - 1 flow point
AS419349	3N Nozzle (419338) - 3 flow points
AS419350	230 Nozzle (419339) - 2 flow points
AS419351	245 Nozzle (419340) - 2 flow points
AS419352	260 Nozzle (419341) - 2 flow points
AS419353	290 Nozzle (419342) - 2 flow points
AS419354	2120 Nozzle (419343) - 2 flow points
AS434455	Henny Penny Nozzle Assembly Kit

ANSUL R-102 SYSTEM COMPONENTS



AS423572

- Allows any nozzle to be rotated approximately 30° in any direction
- Sold individually, available in packs of 25

- Required to keep nozzle tip orifice free of grease build-up or other substances that could interfere with agent distribution
- Rubber Nozzle Caps must be replaced annually

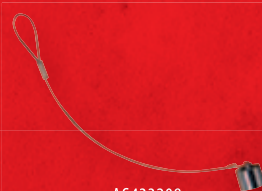


AS77695



AS431186

- Assists to properly aim each nozzle to the correct aiming point
- Clamps onto nozzle
- Aiming device emits a laser light that reflects on surface it is aiming at
- P/N's AS551265 (nozzle aiming device) & AS431186 (nozzle aiming device adaptor) both required



AS433208



AS551265

- For sealing and lubricating system components



SL111

Part # Nozzle Accessories

AS423572	Nozzle Swivel Adaptor
AS77695	Rubber Blow-Off Cap (50/pack)
AS433208	CB High Temperature Metal Blow-Off Cap (10/pack)
AS431186	Nozzle Aiming Device Adaptor (For use w/AS551265)
AS551265	Nozzle Aiming Device (requires AS431186)
SL111	DowCorning® 111 Silicone Lubricant (Replaces 78112)



H15751

Part # Test Links

H15751	Ansil Style Test Link (10/pack)
--------	---------------------------------





- Allows the cable to be run completely through the detection system EMT Conduit and brackets first, the scissor linkage are installed later
- Terminal detector assembly includes a test link
- Replaces p/n AS417369 & AS417368



- Supports fusible link



- Makes changing links quick and effortless
- Special curved jaws for easy fit into scissor linkage
- Steel construction



Part # Detectors & Accessories

AS435547	Series Detector Assembly w/Linkage
AS435546	Terminal Detector Assembly w/Linkage
AS435545	Detector Linkage (Scissor Style)

Part # Linkage Pliers

SLP	Ansul Style System Linkage Locking Pliers
SLP2	Ansul Style System Linkage Pliers



- Required to change the direction of cable by 90°
- Equipped for a connection to 1/2" EMT Conduit
- High temperature, ball bearing wheels for minimum resistance to cable travel

- For use only with two gas valve or remote pull station lines
- Steel compression nuts equipped for a connection to 1/2" EMT Conduit
- Classified parts are listed per NFPA by UL for use in Ansul systems

Part # Corner Pulleys & Tee

PC423250	TSS Corner Pulley - Compression Style
PC551161	TSS Corner Pulley - Compression Style (10/pack)
PC423251	TSS Corner Pulley - Compression Style (50/box)
PC415670	TSS Corner Pulley - Set Screw Style
PC551160	TSS Corner Pulley - Set Screw Style (10/pack)
PC415671	TSS Corner Pulley - Set Screw Style (50/box)
1513	Tee Pulley - Compression Style



- For Part # 394J, 395J, 396J, and 397J
- Couples pipe or EMT at the penetration of hood or duct
 - Accepts threaded pipe or 1/2" EMT Conduit connector (396J only)
 - Pipe or EMT Conduit connector must be installed on both ends of the adapter
 - UL Listed
 - Meets the requirements of NFPA96
 - Sold individually, available in box quantities



- For Part # 386, 388, 389, and 390
- Straight through design allows pipe or EMT Conduit to pass through hood or duct penetration with no cutting of pipe or conduit
 - UL Listed
 - Meets the requirements of NFPA96
 - Sold individually, available in box quantities

Part # Jiffy & Compression Hood Seals

394J	Jiffy Seal - 1/4" Pipe, 3/4" Hole
395J	Jiffy Seal - 3/8" Pipe, 1 1/8" Hole
396J	Jiffy Seal - 1/2" Pipe, 1 1/8" Hole
397J	Jiffy Seal - 3/4" Pipe, 1 3/4" Hole
386	Compression Seal - 1/4" Pipe, 3/4" Hole
388	Compression Seal - 3/8" Pipe, 1 1/8" Hole
389	Compression Seal - 1/2" EMT Conduit, 1 1/8" Hole
390	Compression Seal - 1/2" Pipe, 1 1/8" Hole
JCPLT	Jiffy Corner Pulley Seal w/Connector



- For Part # JCPLT
- Eliminates the need for multiple corner pulleys when installing the detection line through the top of the hood
 - UL Listed
 - Meets the requirements of NFPA96
 - Sold individually, available in box quantities
 - Corner pulley not included

ANSUL R-102 SYSTEM COMPONENTS



CABLE, FLEXIBLE CONDUIT, HOSES, & ACTUATION ACCESSORIES



AS434525



AS434347



AS435979



AS436150



800ST



AS436063

- Allows for quicker installations
- Convenient means of routing cable around obstacles
- Can be used with or as a substitute for EMT Conduit
- Can only be used with AS434618 (molded remote mechanical pull station)

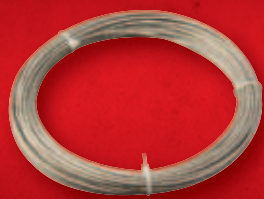
- Pre-formed EMT Conduit
- Installed between regulated release and the EMT Conduit or flexible conduit to allow the cable lines to be installed in a more convenient manner
- Replaces p/n AS79825

Part # Flexible Conduit & Accessories

AS435959	Flexible Conduit and Cable - 500'
AS434525	Flexible Conduit - 500'
AS434347	Flexible Conduit Insert (50/pack)
AS435979	Flexible Conduit Strain Relief (50/pack)

Part # Flexible Conduit & Accessories

AS436150	P-Clip (50/pack)
800ST	1/2" EMT Conduit Zinc-Plated Steel Compression Connector
AS436063	Conduit Off-Set (6/pack)



PC15821



PC79653

Part # Cable

PC15821	50' x 1/16" Stainless Steel Cable 316SS
PC79653	500' x 1/16" Stainless Steel Cable 316SS

• 24" Long



AS79007

• 24" Long • 2 Grommet



AS418511

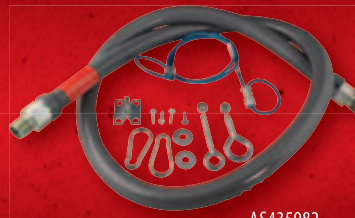
Part # Expellant Gas Hoses

AS79007	Expellant Gas Hose Assembly - 24" Long
AS418511	Expellant Gas Hose & Grommet Assembly - 24" Long



AS31809

- Used to connect the actuation line compression tees between each pneumatic actuator



AS435982

- Allows appliance(s) to be moved for cleaning purposes without disconnecting it from its fire suppression protection
- Includes restraining cable kit to limit the appliance movement with in the range of the flexible hose

Part # Actuation Hoses

AS31809	16" Stainless Steel Actuation Hose 7/16 - 20 F
AS32335	20" Stainless Steel Actuation Hose 7/16 - 20 F
AS32336	24" Stainless Steel Actuation Hose 7/16 - 20 F
AS430815	42" Stainless Steel Actuation Hose 1/4" NPT (M) x 7/16 - 20F

Part # Distribution Hose

AS435982	Agent Distribution Hose Kit - 5' long
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- Designed to shut off flow of gas upon system actuation
- Rated for natural and LP gas
- Ansul valves include air cylinder assembly
- ASCO valves for natural gas only
- UL Listed (Ansul)
- UL Classified (ASCO)



AS55601

Part #	Mechanical Gas Valves
AS55598	¾" Ansul Mechanical Gas Valve
AS55601	1" Ansul Mechanical Gas Valve
AS55604	1¼" Ansul Mechanical Gas Valve
AS55607	1½" Ansul Mechanical Gas Valve
AS55610	2" Ansul Mechanical Gas Valve
7250	2½" ASCO "Trip-to-Close" Mechanical Gas Valve
7300	3" ASCO "Trip-to-Close" Mechanical Gas Valve

- Designed to shut off flow of gas upon system actuation
- Rated for natural gas
- Valve is held open by an energized solenoid
- 120VAC
- UL Listed, FM Approved



8125

Part #	Solenoid Gas Valves
8075	¾" ASCO Solenoid Gas Valve (110-120VAC)
8100	1" ASCO Solenoid Gas Valve (110-120VAC)
8125	1¼" ASCO Solenoid Gas Valve (110-120VAC)
8150	1½" ASCO Solenoid Gas Valve (110-120VAC)
8200	2" ASCO Solenoid Gas Valve (110-120VAC)
8250	2½" ASCO Solenoid Gas Valve (110-120VAC)
8300	3" ASCO Solenoid Gas Valve (110-120VAC)

- Required when using an electrical gas valve shut-off system
- After the electric gas valve has closed, it cannot be re-opened until the reset relay button is manually pressed
- Also recommended for electrical shut down
- UL Listed
- Ultra-quiet operation
- Power to appliance light



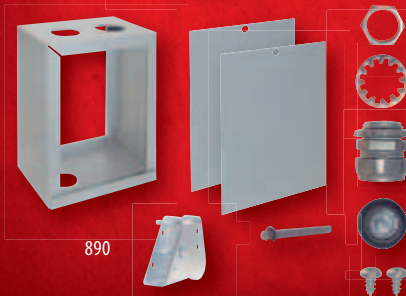
835

Part #	Reset Relay
835	Reset Relay - Fire System Appliance Reset (120VAC)

- Pneumatically unlatches a mechanical gas valve actuator, causing the gas valve to close
- UL Classified



790



890

Part #	Gas Valve Accessories
790	Pneumatic Piston & Kit
786	Small Parts Kit for Pneumatic Piston (p/n 790)
890	Ansul Style Gas Valve Conversion Kit



AS435790

- Required to cock both the mechanical and electric Automans
- Lock bar must be inserted to eliminate the accidental firing of the release mechanism once cocked



AS14985



AS14995

Part #	Cocking Levers
AS435790	Short Handle Cocking Lever w/Lock Bar
AS15618	Long Handle Cocking Lever w/Lock Bar
AS14995	Long Handle Cocking Lever Only
AS14985	Lock Bar Only

ANSUL R-102 SYSTEM COMPONENTS



RECHARGE & REPLACEMENT COMPONENTS



AS79694

- Potassium-based solution
- Convenient size choices for complete tank charge



AS79372

Part # Recharge

AS79694	ANSULEX Low pH Wet Chemical Agent, 1.5 gallons
AS79372	ANSULEX Low pH Wet Chemical Agent, 3 gallons
AS426199	ANSULEX Low pH Wet Chemical Agent, 55 gallons



AS79318

- Required to test the regulator setting and nitrogen flow during 12-year maintenance to ensure regulator is functioning properly



ASREG

Part # Regulator & Test Kit

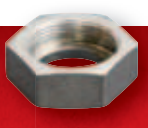
AS79318	Regulator
ASREG	Ansul Style Regulator Test Kit

ANSUL R-102 SYSTEM COMPONENTS



AS79522

AS417700



AS417705



AS417706



AS56909

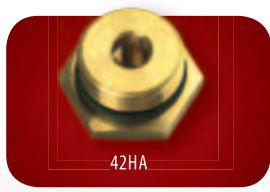


AS68800

- Used to prevent pressure build-up within the agent tank or distribution lines due to temperature fluctuations

Part # Replacement Components

AS79522	Siphon Tube Assembly
AS417700	Siphon Tube for 3 Gallon Tank
AS417705	Union Nut
AS417706	Union Tail Piece
AS56909	Collar O-Ring
AS68800	Vent Plug



42HA

Part # Hydrotest Adaptor

42HA	Hydrotest Adaptor
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AS79656

- Sold individually, available in case of 12
- Required when flushing the system



AS418087

Part # Flushing Concentrate

AS79656	Flushing Concentrate - 32oz. Container
---------	--

Part # Installation Manual

AS418087	Installation Manual - Version 418087-11
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RANGE GUARD CYLINDERS, CONTROL SYSTEMS, MANUAL RELEASE, & MANUAL

- Available in five sizes
- Pre-filled and pressurized to 175psig at 70°F
- All cylinders utilize same valve assembly
- Cylinder sizes expressed in terms of extinguishing agent capacity
- Cylinders conform to DOT specifications 4BW/4BA and NFPA standards



RG120001



RG120002



RG120004



RG120005

Part # Range Guard Cylinders

RG120001	RG-1.25G, 1.25 Gallon Cylinder Assembly - 4 flow point capacity
RG120002	RG-2.5G, 2.6 Gallon Cylinder Assembly - 8 flow point capacity
RG120003	RG-4GS, 4 Gallon Short Cylinder Assembly - 12 flow point capacity

Part # Range Guard Cylinders

RG120004	RG-4GM, 4 Gallon Medium Cylinder Assembly - 12 flow point capacity
RG120005	RG-6G, 6 Gallon Cylinder Assembly - 18 flow point capacity



- Includes: System Valve Actuator (BA120042), System Cartridge (BA120043), Test Cartridge (BA120044), Microswitch (BA120039) and EMT connector kit & fittings
- Can be mounted directly to a wall or cylinder
- Manual or remote actuation capabilities

RG120099



- Includes: System Valve Actuator (BA120042) and CO2 Actuation Cartridges (BA97203), Quantity 2
- Mounts directly to a wall

RG120010

Part # Range Guard Control System Box

RG120099	UCH Control System
----------	--------------------

Part # Range Guard Control System Box

RG120010	A+ Control Box Assembly
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- Surface or recessed mounted
- Replaces the release-to-trip and pull-to-trip pull stations

RG120110

Part # Manual Release

RG120110	Remote Manual Release
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RG27100

Part # Installation Manual

RG27100	(Badger) Wet Chemical Fire Suppression Installation Manual
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- Available in five sizes
- Pre-filled and pressurized to 175 psig at 70°F
- All cylinders utilize same valve assembly
- Cylinder sizes expressed in terms of extinguishing agent capacity
- Cylinders conform to DOT specifications 4BW/4BA and NFPA standards



KD120001



KD120002



KD120004



KD120005

Part #	Kidde Cylinders
KD120001	WHDR-125, 1.25 Gallon Cylinder Assembly - 4 flow point capacity
KD120002	WHDR-260, 2.6 Gallon Cylinder Assembly - 8 flow point capacity
KD120003	WHDR-400S, 4 Gallon Short Cylinder Assembly - 12 flow point capacity

Part #	Kidde Cylinders
KD120004	WHDR-400M, 4 Gallon Medium Cylinder Assembly - 12 flow point capacity
KD120005	WHDR-600, 6 Gallon Cylinder Assembly - 18 flow point capacity



KD120099

- Includes: System Valve Actuator (BA120042), System Cartridge (BA120043), Test Cartridge (BA120044), Microswitch (BA120039) and EMT connector kit & fittings
- Can be mounted directly to a wall or cylinder
- Manual or remote actuation capabilities



KD120010

- Includes: System Valve Actuator (BA120042) and CO2 Actuation Cartridges (BA97203), Quantity 2
- Mounts directly to a wall

Part #	Kidde Control System Box
KD120099	XV Control System

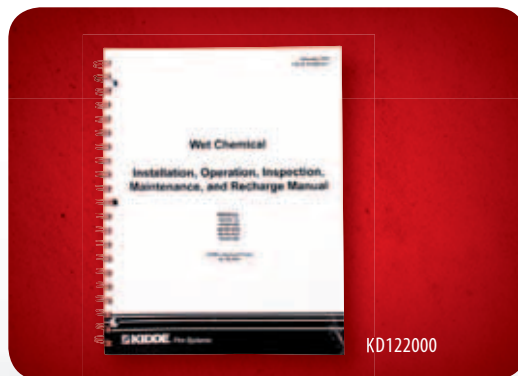
Part #	Kidde Control System Box
KD120010	KRS-50 Control Box Assembly



KD120110

- Surface or recessed mounted
- Replaces the release-to-trip and pull-to-trip pull stations

Part #	Manual Release
KD120110	Remote Manual Release



KD122000

Part #	Installation Manual
KD122000	WHDR Wet Chemical Fire Suppression Installation Manual - 2009 Edition

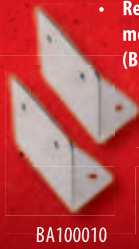
RANGE GUARD & KIDDE WHDR SYSTEM COMPONENTS



MOUNTING BRACKETS, ACTUATION CARTRIDGES & CONTROL SYSTEM COMPONENTS



- Vertical bracketing
- Must be ordered separately with each cylinder assembly



- Requires shelf mounting bracket (BA100013)



- BA255700 for use with BA97430 & BA97263
- BA117989 for use with BA97414 & BA97415

Part #	Mounting Brackets
BA97430	Cylinder Mounting Bracket for RG-1.25G & WHDR-125
BA97263	Cylinder Mounting Bracket for RG-2.5G & WHDR-260
BA97415	Cylinder Mounting Bracket for RG-4GS & WHDR-400S
BA97414	Cylinder Mounting Bracket for RG-4GM & WHDR-400M
BA100013	Cylinder Shelf Mounting Bracket for RG-6G & WHDR-600

Part #	Mounting Brackets
BA100010	Cylinder Floor Mounting Kit for 4 & 6 Gallon Cylinders
BA255700	Replacement Strap for 1.25 & 2.5 Gallon Cylinder Mounting Brackets (BA97430 & BA97263)
BA117989	Replacement Strap for 4 Gallon Cylinder Mounting Brackets (BA97414 & BA97415)



- Required for actuation and full discharge tests



Part #	Range Guard UCH & Kidde XV Control System Actuation Cartridges & Control System Components
BA120043	Nitrogen System Cartridge for Range Guard UHC & XV Control Systems
BA120044	Nitrogen Test Cartridge for UCH & XV Control Systems
BA236204	Flat Gasket for UCH & XV Control Systems Cartridge Receiver
BA120046	Cartridge Receiver Valve Rebuild Kit for UCH & XV Control Systems

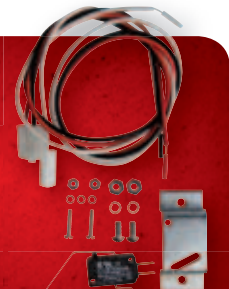


Part #	Range Guard A+ & Kidde KRS-50 Control Systems Box Components
BA97203	A+ & KRS-50 Control Systems Box CO2 Actuation Cartridge - 12 Gram
BA97202	A+ & KRS-50 Control Systems Box Spring
BA97220	A+ & KRS-50 Control Systems Box Cable Tension Block
BA97213	A+ & KRS-50 Control Systems Box Flat Gasket for Valve



- For UCH & XV Control Systems only

- Intended for use with electrical gas valves, alarms, contactors, lights, contractor supplied electric power shut-off devices and other electrical devices that are designed to shut-off or turn on when the system is actuated
- 24" leads
- Mounting hardware included
- Each switch has a set of single-pole, double throw contacts



Part #	Range Guard UCH & Kidde XV Control Systems Solenoid Kit
BA100034	Solenoid Kit (Electric Actuator) - 24VDC

Part #	Range Guard UCH & Kidde XV Control Systems Microswitches
BA120039	Single Pole Microswitch UCH & XV Control Systems
BA120047	Alarm Initiating Switch (SPDT) for UCH & XV Control Systems

Part #	Range Guard A+ & Kidde KRS-50 Control Systems Box Microswitches
MIC300	Range Guard & Kidde Style Single Pole Microswitch (KD/RG97227) for A+ & KRS-50 Control Systems Box
MIC400	Range Guard & Kidde Style Double Pole Microswitch (KD/RG97228) for A+ & KRS-50 Control Systems Box



ACTUATION COMPONENTS, HOSES, NOZZLES, & ACCESSORIES

- Required for each cylinder valve assembly
- Includes ports for low profile tubing runs
- Equipped with spring loaded plunger to lock piston in discharged position, ensuring full discharge of cylinder



BA120042

Part #	System Valve Actuator
BA120042	System Valve Actuator (SVA)



BA844908

- Required for each cylinder valve assembly
- Connects distribution pipe to cylinder valve assembly
- Can also be used as a recharge adaptor

Part #	Discharge Adaptor Kit
BA844908	Discharge Adaptor Kit

- Required in each piping system
- Prevents pressure build up in the discharge piping
- 1/2" NPT M Threads



BA96984

Part #	Vent Plug
BA96984	Vent Plug



BA120045

- Required on all installations in which the system valve actuator is connected to a XV Control System

Part #	Actuation Hoses
BA120045	High Pressure Hose - 7.5" Long
BA1200452	High Pressure Hose - 24" Long
BA1200453	High Pressure Hose - 60" Long



BA89412

Part #	Pneumatic Release
BA89412	Pneumatic Release - 2nd Gas Valve

- Sold individually, available in packs of 10
- Grooved rings on nozzle body for easy identification
- Foil seal placed over discharge orifice to prevent grease build up
- 3/8" NPT internal threads
- Chrome plated brass body



BA120011



BA120012



BA120013



BA120014



BA120015



BA120022



BA120024



BA120021



BA97054



BA97290

- Not for use w/LPR nozzle



BA120026

Part #	Nozzles & Accessories
BA120011	ADP Nozzle (One Groove) - 1 flow point
BA120012	F Nozzle (Two Grooves) - 2 flow points
BA120013	GRW Nozzle (Three Grooves) - 1 flow point
BA120014	R Nozzle (Four Grooves) - 1 flow point

Part #	Nozzles & Accessories
BA120015	DM Nozzle (Zero Grooves) - 3 flow points
BA120022	LPF Nozzle (One and Four Grooves) - 2 flow points
BA120024	LPR Nozzle (Disc and Core) - 1 flow point

Part #	Nozzles & Accessories
BA120021	Swivel Adaptor
BA97054	Nozzle Seals (10/pack)
BA97290	Chrome Nozzle Caps (10/pack)
BA120026	Chrome Nozzle Cap for LPR Nozzle

RANGE GUARD & KIDDE WHDR SYSTEM COMPONENTS



SERVICE & RECHARGE COMPONENTS



BA120009



BA120067



BA118031



BA257754



BA255096



BA255681

Includes:

- Valve stem (877343)
- Spring (217768)
- Spring retainer (253229)
- Retaining ring (18490004)
- Collar o-ring (56610327)

- Factory installed on actuation port to prevent loss, tampering or depression of actuation pin

- Each factory cylinder is equipped with an "Anti-Recoil" plate for additional safety in case of an accidental discharge

Part # Valve Assembly & Components

BA120009	Cylinder Valve Assembly
BA120067	Cylinder Valve Assembly Rebuild Kit
BA118031	Pressure Gauge - 175psi
BA56610327	Collar O-Ring for Cylinder Valve Assembly

Part # Valve Assembly & Components

BA257754	Fusible Plug - 212°F
BA255096	Valve Protection Plate
BA255681	Anti-Recoil Plate

RANGE GUARD & KIDDE WHDR SYSTEM COMPONENTS



BA120031



BA120032



BA120033

Part # Recharge

BA120030	1.25 Gallons APC (Aqueous Potassium Carbonate)/Karbaloj Recharge
BA120031	2.5 Gallons APC (Aqueous Potassium Carbonate)/Karbaloj Recharge
BA120032	4 Gallons APC (Aqueous Potassium Carbonate)/Karbaloj Recharge
BA120033	6 Gallons APC (Aqueous Potassium Carbonate)/Karbaloj Recharge



BA279262



BA878453

Part # Recharge & Hydrotest Adaptors

BA279262	Recharge Adaptor for Cylinders
BA878453	Hydrotest Adaptor for Cylinders



B844648

Part # Corner Pulley

B844648	Badger (Range Guard) Corner Pulley - Compression Style
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BA253538

Part # Tools

BA253538	Positive Action Crimp Tool
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