



VIC ENGINEERING SDN. BHD. (210158-P)

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CONCEALED SPRINKLER STANDARD AND QUICK RESPONSE



PROTECTOR SPRINKLER

An  9001 certified company



Model A

PS003/PS006 (Glass Bulb Type)

Standard Adjustable Concealed

Standard and Quick Response. Light and Ordinary Hazard

PRODUCT DESCRIPTION

Concealed

Concealed Sprinkler Identification Number (SIN) PS 003 (standard) / Ps006 (Quick). All Protector Sprinklers are manufactured with the time - proven Belleville seal used exclusively by all other major manufacturers to ensure long life and safe operation.

The concealed sprinkler head is specifically designed to deliver excellent aesthetic appeal to the discerning designer: The smaller, low profile cover plate ensures that the product is less obtrusive than other designs and the plate is available in a wide range of designer colors.

One-piece design, with up to 1/2 inch of adjustment allows installation and testing of the system prior to installing the cover plate.

Available in quick response and standard response for all applications.

Sprinkler Operation

The Sprinkler operating devise is a state of the art, heat responsive fragile glass bulb supplied from a world leader in this innovative technology. Once the operating temperature is reached the bulb shatters, opening up the waterway and water flows over the deflector for smooth distribution over the design area of the sprinkler head.

Coverage

Standard coverage is dependent on individual national approvals.

If in doubt contact the authority having jurisdiction.

NFPA - Light Hazard 225 Square Feet (20.9 Sq.M)

Ordinary Hazard 130 Square Feet (12.1 Sq.M)



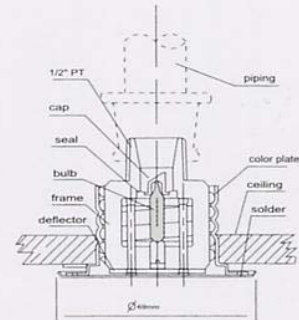
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TECHNICAL SPECIFICATION

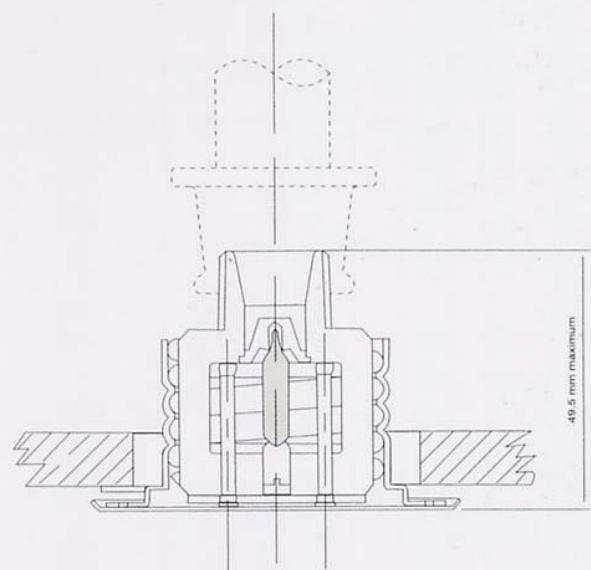
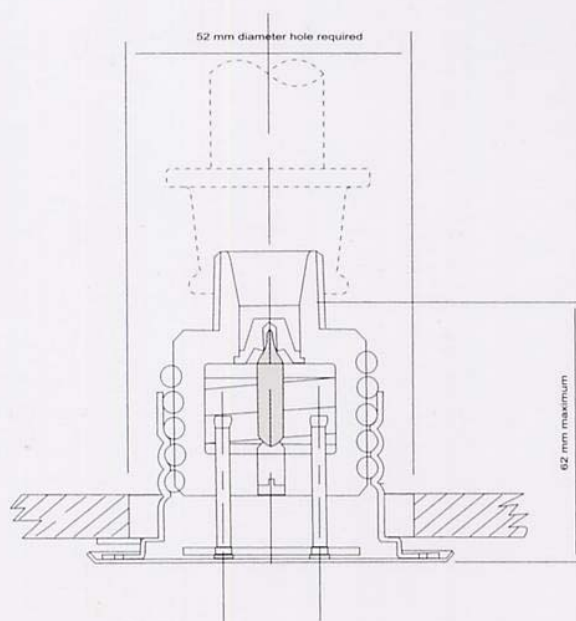
SIN	: PS 003 , PS 006
Style	: Adjustable concealed, light / ordinary hazard
Norminal Orifice Size	: 1/2" (12.5mm)
K-Factor	: 5.6 Imp. (80 S.I.)
Norminal Thread Size	: 1/2"PT (15mm)
Max. Working Pressure	: 175 PSI (1200 kPa)
Factory Hydrostatic Test	: 100% @ 500 PSI (3450 kPa)
Min. Operating Pressure	: 7 PSI (48 kPa)
Temperature Rating	: 68°C/ 155°F , 93°C/ 200°F



MATERIAL SPECIFICATIONS

Deflector	: ASTM C22000 B36
Cover Plate	: Fusible solder
Bulb	: Glass with glycerin solution
Bulb Norminal Diameter	: <input type="checkbox"/> Standard : 5.0mm <input type="checkbox"/> Quick : 3.0mm
Load Screw	: ASTM C36000 B16
Cap	: ASTM C36000 B16
Seal	: BELLEVILLE WASHER-TEFLON COATED
Frame	: ASTM C37700 B124

DIMENSION

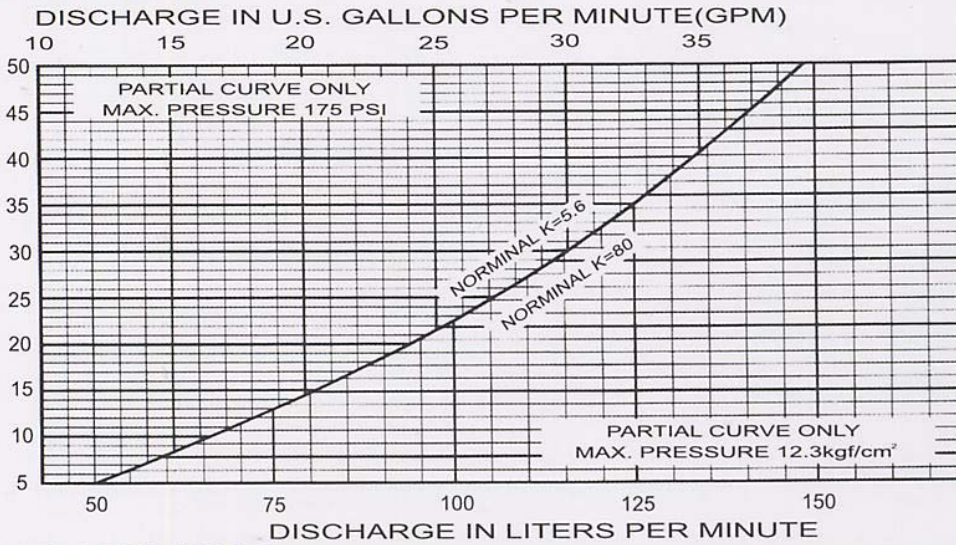


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DISCHARGE CURVE



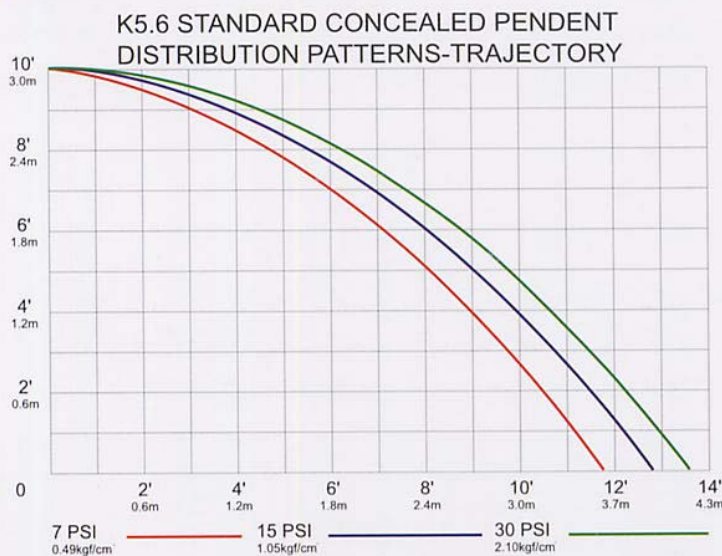
APPROVALS / LISTINGS

Nominal Size Inches / mm		K-Factor Imperial S.I.	Response	Approvals		
THREAD	ORIFICE			UL	ULC	CNS
1/2/15	1/2/13	5.6/80	Standard	Yes	Yes	Yes
1/2/15	1/2/13	5.6/80	Quick	Yes	Yes	Yes

RATINGS

SPRINKLER TEMPERATURE CLASSIFICATION	NOMINAL SPRINKLER TEMPERATURE RATING	N.F.P.A. MAXIMUM AMBIENT (CEILING) TEMP. ALLOWED	GLASS BULB COLOR	COVER TEMPERATURE
Ordinary	155°F / 68°C	100°F / 38°C	Red	135°F / 57°C
Intermediate	200°F / 93°C	150°F / 65°C	Green	165°F / 74°C

DISTRIBUTION PATTERNS



AVAILABLE WRENCHES

PROPER USE STANDARD /
CONCEALED WRENCH

**Always use Protector Wrench - use
of other wrenches or devices could
lead to damage to the sprinkler
and non-operation in a fire
condition.**

**Use other wrenches or devices void
any and all warranties whether
express or implied**



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