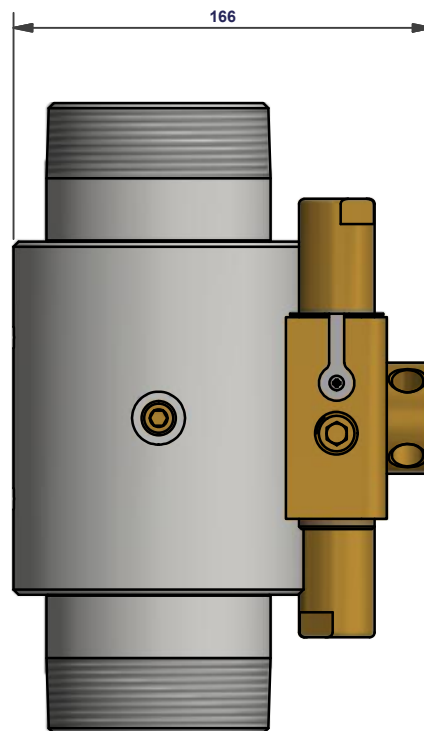
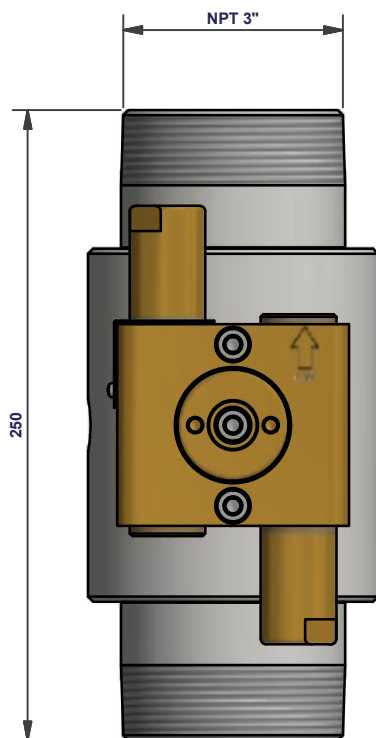


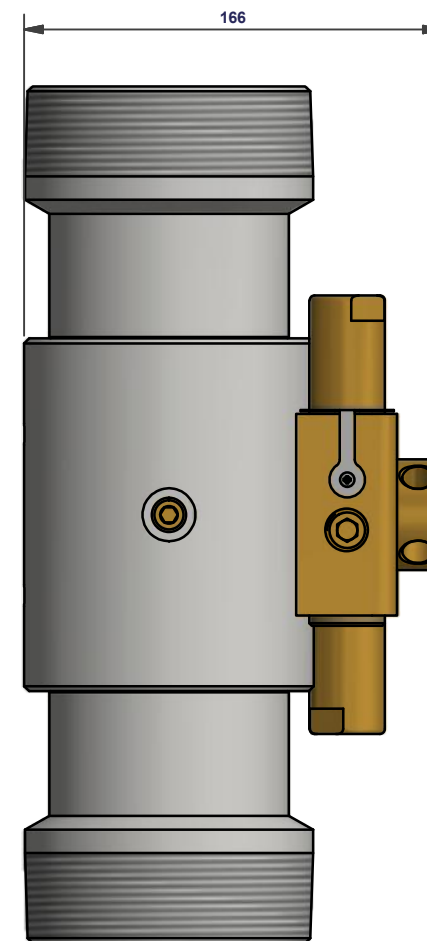
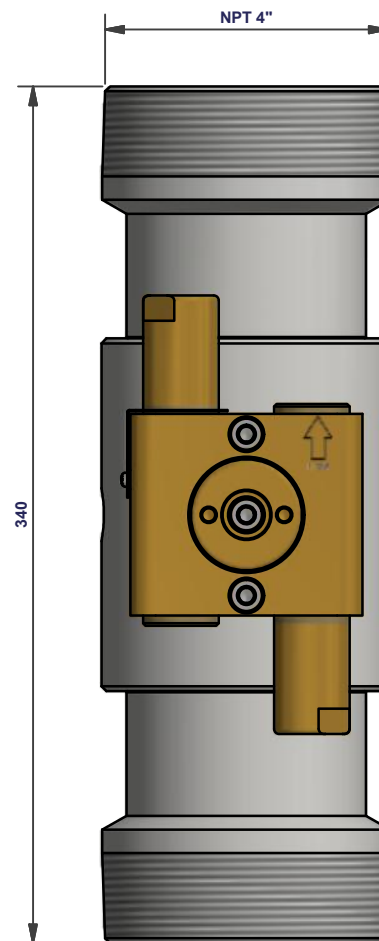
Specifications and markings

As 304450 SV48 Selector Valve except for pipe connections
See TA SV48 BV

304510 SV48-3" Selector valve



304550 SV48-4" Selector valve



Drawing id

TA SV48 BV-3&4 2016-11

Model id

SV48 BV-3&4 001



FIRE EATER

www.fire-eater.com
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Revision

Date 2016-05-20

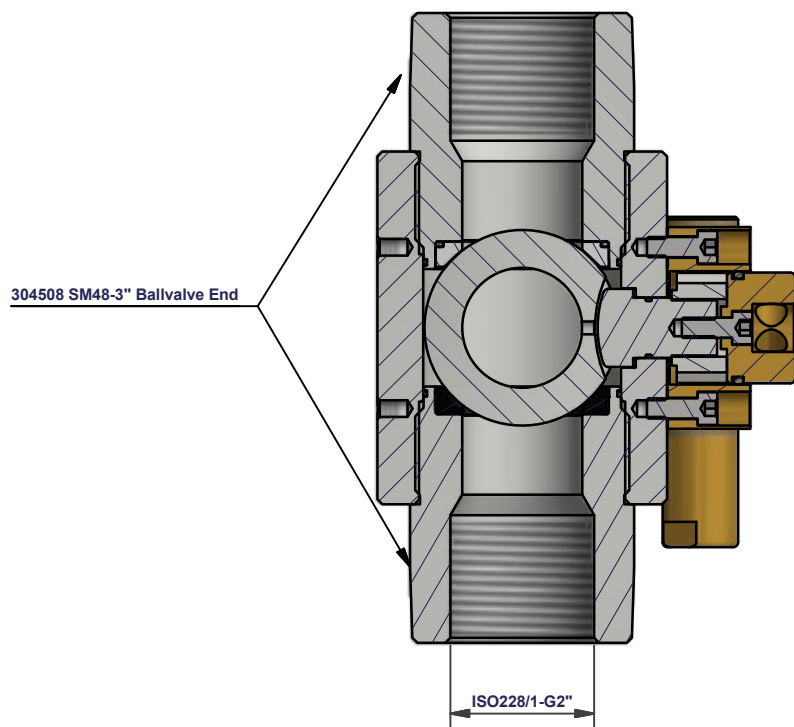
ID OLRA

All dimensions are in mm or °

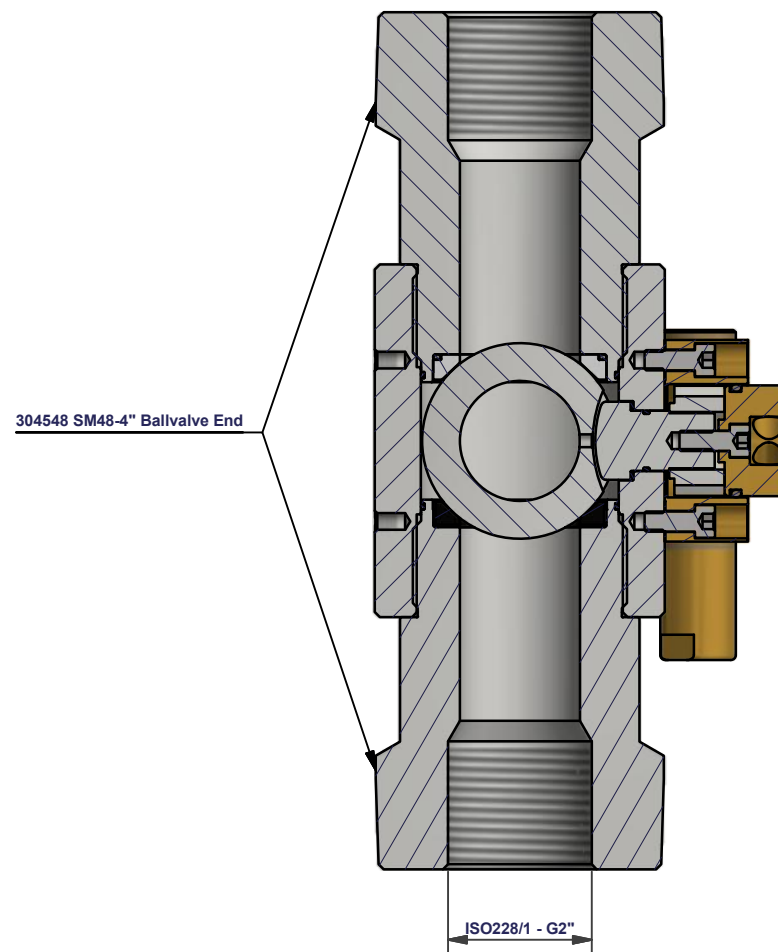
This drawing is the sole property of Fire Eater A/S

Page 1 of 2

304510 SV48-3" - 300 Selector valve



304550 SV48-4" - 300 Selector valve



See "TA SV48 BV" for details

Drawing id			
TA SV48 BV-3&4 2016-11			
Model id			
SV48 BV-3&4 001			
 FIRE EATER % This drawing is the sole property of Fire Eater A/S	www.fire-eater.com Phone: +45 7022 2769 Voelundsvej 17 DK-3400 Hilleroed		Revision
	Date	2016-05-20	
	ID	OLRA	
	Page 2 of 2		

All dimensions are in mm or °

SV48 Selector valve

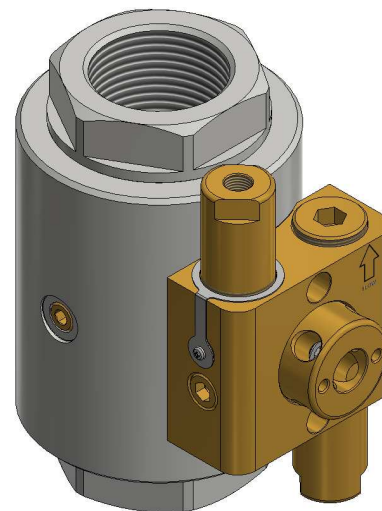
General

The SV48 is a selector valve for use in INERGEN fire extinguishing systems. The valve is of the ball valve type with a pneumatic actuator. The selector valve is compatible with the Fire Eater SV series of equipment and should only be used with the appropriate connectors and components supplied by Fire Eater.

It is for use in systems where one common supply of INERGEN is used for protecting multiple rooms.

The valve is constructed for flow in one direction only and is only guaranteed to function properly when pressurized on the inlet port.

On the face of the valve there are two holes indicating the position of the valve and an arrow giving the direction of flow.



Specifications

Designation SV48

Pressure

Work (WP): 0-40 MPa

Proof (burst): > 120 MPa

Temperature -20 to +70°C

Flow way 1772mm² (ø47.5mm)

Activation

Triggering pres.: 17-40 MPa (at WP 40 MPa)

10-40 MPa (at WP 15 MPa)

Max. no triggering: 1 bar, 10 sec

Tread connections

Flow port (in&out): ISO228/1 - G 2"

Pneum. activation: ISO228/1 - G 1/4"

Function

Operation time: < 1 sec

Fully open after activation.

Materials

Brass, Electroplated steel, PUR, EPDM

Dimensions

Outside dimensions: 190x166x115 mm

Weight: 12.0 kg

Markings

Fire Eater Logo

SV48, Serial number

Inert Gas, 40 MPa, -20 to +70°C

Actuator 17-40 MPa

Arrow giving the direction of flow

Document: 304450 SV48 Selector valve

Text

Category:

SV-CiV system

Id: OLRA

Rev:2016.11.08



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Installation

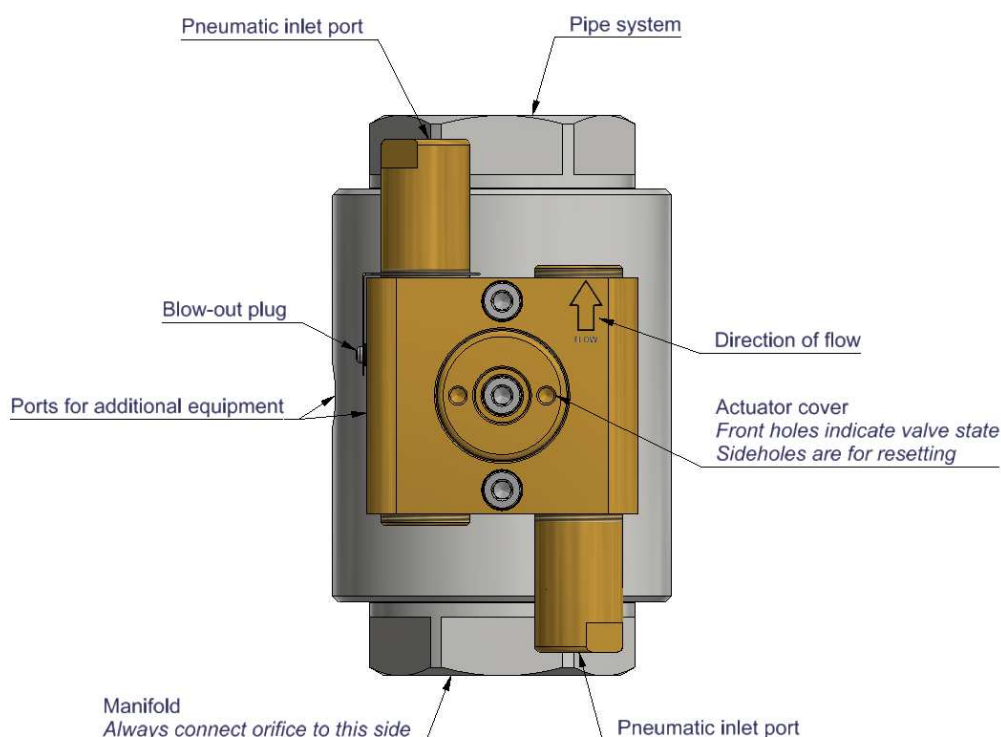
The valve may be positioned freely with regards to gravity. The inlet and outlet are clearly marked on the face of the actuator and should not be pressurized in on the outlet side, as this is not guaranteed to be leak tight. When the valve is installed the orifice is always fitted to the inlet port of the valve.

If additional equipment is installed on the SV48, plugs may have to be removed on installation site. Instructions provided with this equipment are to be followed very carefully.

Operating

The valve is opened pneumatically by pressurizing the control ports. For correct operation both ports must be pressurized.

The valve has to be reset manually with a rod or similar (Ø12mm max) by inserting it in the Actuator Cover and turning it 90 degrees clockwise. The pneumatic actuation circuitry must be depressurized before the valve can be reset.



Maintenance

Operate at least once a year.

The valve is to be opened pneumatically. The activation pressure must not exceed 2.0 MPa with both actuator ports pressurized simultaneously and no pressure on the valve. This may be verified with a gauge class 1.0. The valve has to be closed manually after activation.

On the side of the actuator there is a plastic blow-out plug to prevent dangerous pressurization of the actuator in case of internal leakages, this plug must ALWAYS be fitted to the actuator, if removed during actuation it must be put back.

Another plug is placed in the connection thread for additional equipment installation.

Document: 304450 SV48 Selector valve

Category:

SV-CiV system

Id: OLRA

Rev:2016.11.08



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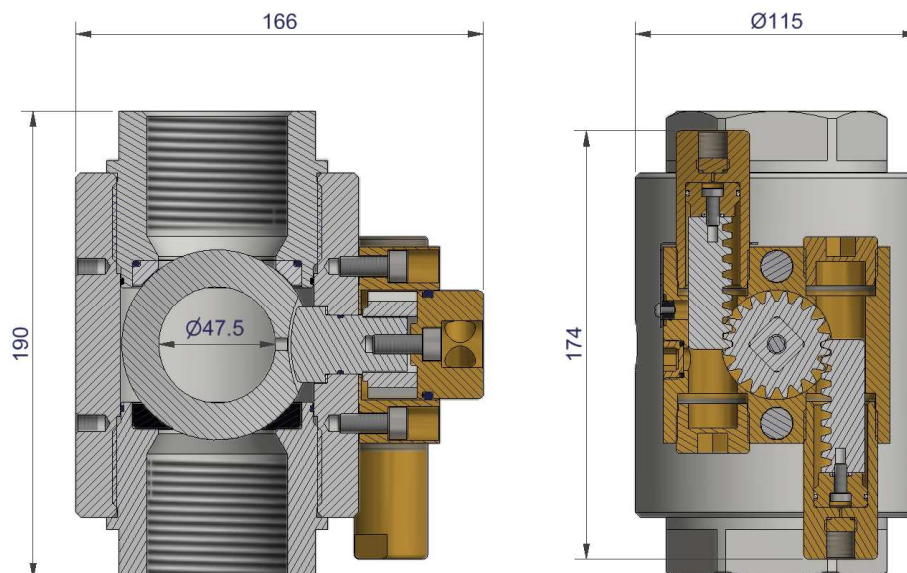
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Section drawings

When the valve is opening, the two pistons are pushed through the cylinders, turning a gear connected to the ball. When it is fully opened the pistons are stopped by the end plugs.

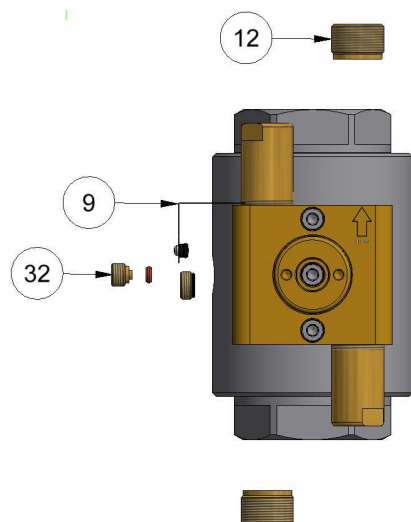
Notice: The valve is not to be disassembled by the installer or any other personnel. During production the cylinder and end stop is adjusted to achieve fully open and fully closed position, the threads are then sealed. Only Fire Eater equipment should be attached.



Valve closed
Normal position

Replaceable parts

The exploded view shows the parts that can be removed to install additional equipment. These items can be ordered separately.



Pos.	Item	Description	Material
9	305151	SV Relief plug kit	SS, Brass, POM
12	305109	Act end cover	Brass
32	303101	Plug 1/4" BSP Manom	Brass

Document: 304450 SV48 Selector valve

Category:
SV-CiV system

Id: OLRA
Rev:2016.11.08



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Declaration of Performance

DoP No: Ci HWV 2016-02

SV48 (Selector valve)

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Construction Product Regulation EN12094-5	Declaration of Performance Applied standards	Ydeevneerklæring Anvendte standarder	Déclaration de performance Normes appliquées	Leistungserklärung Angewandte Normen	Declaracione de prestacione Normas Aplicadas	Deklaracji właściwości użytkowych Zastosowane normy	Prohlášení o vlastnostech Aplikované normy	Декларация Performance Примененные стандарты
	Specifications	Specifikationer	Caractéristiques	Technische Daten	Especificaciones	Dane techniczne	Specifikace	характеристики
“SV48”, Fire Eater logo, “Inert gas” 40MPa, -20 to +70C	Identification	Identifikation	Identification	Identifizierung	Identificación	Identyfikacja	Identifikace	идентификация
Selector valve for multizone Inert gas Fire suppression system	Intended use	Anvendelsesformål	Utilisation prévue	Anwendungen	Aplicaciones	Aplikacje	Aplikace	Назначение
Fire Eater A/S Vølundsvej 14, DK-3400 Hillerød Denmark	Manufacturer	Producent	Fabricant	Hersteller	Fabricante	Producent	Výrobce	производитель
CNPP Cert 1116-CPR-060 CNPP GH 13 00 15 System 1	Authority Certificate Test report	Myndighed Certifikat Testrapport	Autorité Certificate Rapport d'essai	Zertifizierung Zertifikat Test raport	Certificación Certificado Raport Prueba	Certyfikacja Certyfikat Raport testowy	Osvědčení Certifikát Zkušební Raport	сертификация сертификат протокол испытания
-20 to +70 °C Ø48mm 1772 mm² 12 kg 40 MPa (400 bar) >120 MPa (1200 bar) 17-40 MPa (@ WP 40MPa) 10-40 MPa (@ WP 15MPa) na ISO228/1 G2” ISO228/1 G2” ISO228/1 G1/4” Any na	Temperature Operating Installation Storage Flow way Diameter Area Weight Pressure Work Destructive test pressure Activation Pressure Voltage Current Force No Triggering Max pressure Thread connection Inlet Outlet Accessories Installation Mounting direction Smallest cylinder	Temperatur Brug Installation Opbevaring Lysning Diameter Areal Vægt Tryk Arbejds- Destruktivt prøvningstryk Aktivering Tryk Volt Strøm Kraft Ingen Aktivering Max tryk Gevindtilslutning Inlet Outlet Tilbehør Installation Monterings-retning Mindste beholder	Température d'exploitation Installation Stockage Écoulement Diamètre Aire Poids Pression Travail éclater Activation Pression Tension Courant Force Pas de déclenchement max pression Raccord filetage Prise Sortie Accessoires Installation Sens de montage Le plus petit cylindre	Temperatur Betriebs- Installation Lagerung Flow Weg Durchmesser Areal Gewicht Druck Arbeit platzen Aktivierung Druck Spannung Strom Kraft keine Triggerung Max Presse Gewindeanschlüsse Einlass Ausgang Zubehör Installation Montagerichtung kleinste Zylinder	Temperatura Operativo Instalación Almacenamiento Camino de flujo Diámetro Área Peso Presión Trabajo Burst Activación Presión Voltaje Corriente Fuerza No Disparo Presión Max Conexiones rosca Entrada Salida Accesorios Instalación Dirección de montaje Cilindro más pequeño	Temperatura Operacyjny Instalacja Przechowywanie Sposób przepływu średnica Obszar Waga Ciśnienie Praca Burst Aktywacja Ciśnienie Napięcie Prąd Siła Nie Wyzwalanie Max naciśnij Przylączy gwintowane Wlot Wylot Akcesoria Instalacja Kierunek montażu Najmniejszy cylinder	Teplota Provozní Instalace Skladování Flow cesta Průměr Rozloha Hmotnost Tlak Práce Roztržení Aktivace Tlak Napětí Energie Síla Ne Spouštění Max lis závitové připojení Vstupní Odtok Příslušenství Instalace Směr montáže Nejmenší válec	Температура операционная установка хранение поток способ диаметр площадь вес давление работа взрыв активация давление напряжение текущий сила нет триггера Макс пресс- Резьбовые соединения вход выход аксессуары Установка направление монтажа Наименьший цилиндра

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Declaration of Performance

DoP No: Ci HWV 2016-02

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Construction Product Regulation EN12094-5	Declaration of Performance Applied standards	Ydeevneerklæring Anvendte standarder	Prestandadeklaration Tillämpade standarder	Ydeevneerklæring Anvente standarder	Julistus Performance Applied standardit	Prestatieverklaring Toegepaste normen	Dichiarazione di prestazione Norme applicate
	Specifications	Specifikationer	Specifikation	Specifikation			
“SV48”, Fire Eater logo, “Inert gas” 40MPa, -20 to +70C	Identification	Identifikation	Identifiering	Identifikasjon	tunnistaminen	Identifikation	Identificazione
Selector valve for multizone Inert gas Fire suppression system	Intended use	Anvendelsesformål	Avsedd användning	Tiltenkt bruk	tarkoitettu käyttö	Beoogd gebruik	Applicazioni
Fire Eater A/S Vølundsvej 14, DK-3400 Hillerød Denmark	Manufacturer	Producent	Tillverkare	Produsent	valmistaja	Fabrikant	Fabbricante
CNPP Cert 1116-CPR-060 CNPP GH 13 00 15 System 1	Authority Certificate Test report	Myndighed Certifikat Testrapport	Myndighet Certifikat Testrapport	Myndighet Sertifikat Testrapport	sertifiointi todistus Testiraportti	Certificering Certifikat Test raport	certificazione certificato prova Raport
-20 to +70 °C Ø48mm 1772 mm² 12 kg 40 MPa (400 bar) >120 MPa (1200 bar) 17-40 MPa (@ WP 40MPa) 10-40 MPa (@ WP 15MPa) na ISO228/1 G2” ISO228/1 G2” ISO228/1 G1/4” Any na	Temperature Operating Installation Storage Flow way Diameter Area Weight Pressure Work Destructive test pressure Activation Pressure Voltage Current Force No Triggering Max pressure Thread connection Inlet Outlet Accessories Installation Mounting direction Smallest cylinder	Temperatur Drift- Installation- Opbevaring- Flow Diameter Areal Vægt Tryk Arbejds- Destruktivt prøvningstryk Aktivering Tryk Volt Strøm Kraft Ingen aktivering Max tryk Gevindtilslutning Inlet Outlet Tilbehør Installation Monteringsretning Mindste beholder	Temperatur Drift- Installation Lagring Mynning Diameter Areal Vikt Tryck Arbets- Destruktivtesttryk Aktivering Tryck Spänning Ström Kraft Ingen aktivering Max tryck Gånganslutning Inlet Outlet Tillbehör Installation Monteringsriktning Minsta behållare	Temperatur Drifts Installasjon Lagring Flow Diameter Område Vekt Trykk Arbeid- Destruktivt prøvningstryk Aktivering Trykk Spenning Strøm Kraft Ingen utløsende Max trykk Tråd tilkobling Inlet Outlet Tilbehør Installasjon Monteringsretningen Minste beholder	Lämpötila käyttö- asennus varastointi Flow tavalla halkaisija alue paino paine työ burst aktivointi paine jännite nykyinen voima ei Triggering max paina kierrelitokset tuloaukko pistorasia lisälaitteet asennus asennussuunnassa pienin sylinteri	Temperatuur Bedrijfs- Installatie Opslagruimte Flow weg Diameter Areaal Gewicht Druk Werk Burst Activering Druk Voltage Stroom Kracht Geen Triggering Max druck Draad verbindingen Inlet Outlet accessoires Installatie Montagerichting Kleinste houder	Temperature Operative Installazione Immagazzinamento Flow Diametro Area Peso Pressione lavoro scoppiare Attivazione pressione voltaggio corrente forza No trigger stampa Max Le filettature insenatura presa accessori Installazione direzione di montaggio Il più piccolo cilindro

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Declaration of Performance

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Construction Product Regulation EN12094-5	Declaration of Performance Applied standards	Toimivusdeklaratsiooni Applied standardid	Deklarācija Performance Lietišķās standarti	Eksplotacinių savybių deklaracijos Taikomoji standartai	Izjava o obavljanju primijenile standarde	Érdekében nyilatkozni Alkalmazott szabványok	Declaração de desempenho normas Aplicadas	Vyhĺasenia o parametroch aplikované normy
	Specifications							
“SV48”, Fire Eater logo, “Inert gas” 40MPa, -20 to +70C	Identification	identifitseerimine	identificēšana	identifikacija	identifikacija	azonosítás	identificação	identifikácia
Selector valve for multizone Inert gas Fire suppression system	Intended use	Kavandatud kasutus	Paredzētā izmantošana	paskirtis	Namjena	rendeltetésszerű használat	uso pretendido	aplikácia
Fire Eater A/S Vølundvej 14, DK-3400 Hillerød Denmark	Manufacturer	tootja	ražotājs	gamintojas	proizvodač	gyártó	fabricante	Výrobca
CNPP Cert 1116-CPR-060 CNPP GH 13 00 15 System 1	Authority Certificate Test report	sertifikaat tunnistus Test report	sertifikācija apliecība testa ziņojums	pažymėjimas pažymėjimas Bandymų ataskaitos	potvrda certifikat izvješće o ispitivanju	hitelesítés bizonyítvány vizsgálati jelentés	certificação certificado relatório de teste	osvedčenia certifikát skúšobné Raport
-20 to +70 °C Ø48mm 1772 mm² 12 kg 40 MPa (400 bar) >120 MPa (1200 bar) 17-40 MPa (@ WP 40MPa) 10-40 MPa (@ WP 15MPa) na ISO228/1 G2” ISO228/1 G2” ISO228/1 G1/4” Any na	Temperature Operating Installation Storage Flow way Diameter Area Weight Pressure Work Destructive test pressure Activation Pressure Voltage Current Force No Triggering Max pressure Thread connection Inlet Outlet Accessories Installation Mounting direction Smallest cylinder	Temperatuur tegevus- paigaldamine ladustamine Flow viis läbimõõt ala kaal surve töö Burst aktiveerimine surve pinge praegune jõud No lülitusega Max vajutage Teema ühendused sisseviik pistikupesa lisandid paigaldamine Paigaldus suund Väikseim silindri	Temperatūra darba uzstādīšana glabāšana Flow veids diametrs platība svars spiediens darbs Burst aktivizācija spiediens spriegums strāva spēks Nē izraisot Max prese vītņu savienojumi pievads kontaktligzda piederumi uzstādīšana Montāžas virziens mazākais cilindrs	Temperatūra Operacinė montavimas saugojimas srauto būdas skersmuo plotas svoris slėgis darbas Burst aktyvinimas slėgis įtampa dabartinis jėga Nėra suveikimas Maksimalus spaudos Temos jungtys įėjimas anga priedai Montavimas Tvirtinimo kryptis Mažiausias cilindras	Temperatura radni instalacija skladištenje način protoka promjer područje težina pritisak posao Burst aktiviranje pritisak napon struja sila Ne pokreće Maks pritisnite veze temu uvala ispust pribor instalacija Montaža smjer najmanji cilindra	Hőmérséklet üzemeltetési telepítés tárolás flow módon átmérő terület súly nyomás munka Burst aktiválás nyomás feszültség jelenlegi erő nem kapcsolású max nyomja menetes csatlakozás beömlőnyílás kivezetés tartozékok telepítés szerelési irány legkisebb henger	Temperatura Operação instalação armazenamento Abertura Diâmetro área peso pressão trabalho Explosão ativação Pressão Tensão Corrente Vigor Sem Triggering Max imprensa com conexões de rosca entrada saída acessórios instalação sentido de montagem menor cilindro	Teplota prevádzkové inštalácia skladovanie flow cesta priemer plocha hmotnosť tlak práca roztrhnutie Aktivácia tlak napätie Tok sila nie Spúšťanie max lis závitové pripojenie vstupné odtok príslušenstvo inštalácia smer montáže najmenší valec

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Declaration of Performance

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Construction Product Regulation EN12094-5	Declaration of Performance Applied standards	Dikjarazzjoni ta ' Prestazzjoni standards applikati	Declarația de performanță standardele aplicate	Декларация за експлоатационни показатели Приложна стандарти	Δήλωση Απόδοσης Εφαρμοσμένη πρότυπα
	Specifications				
“SV48”, Fire Eater logo, “Inert gas” 40MPa, -20 to +70C	Identification	identifikazzjoni	identificare	Идентифициране	αναγνώριση
Selector valve for multizone Inert gas Fire suppression system	Intended use	użu maħsub	utilizarea prevăzută	предназначение	προβλεπόμενη χρήση
Fire Eater A/S Vølundsvej 14, DK-3400 Hillerød Denmark	Manufacturer	manifattur	producător	Производител	κατασκευαστής
CNPP Cert 1116-CPR-060 CNPP GH 13 00 15 System 1	Authority Certificate Test report	ċertifikazzjoni ċertifikat rapport tat-test	certificare certificat raport de încercare	Сертифициране сертификат Протокол от изпитването	πιστοποίηση πιστοποιητικό έκθεση δοκιμής
-20 to +70 °C Ø48mm 1772 mm² 12 kg 40 MPa (400 bar) >120 MPa (1200 bar) 17-40 MPa (@ WP 40MPa) 10-40 MPa (@ WP 15MPa) na ISO228/1 G2” ISO228/1 G2” ISO228/1 G1/4” Any na	Temperature Operating Installation Storage Flow way Diameter Area Weight Pressure Work Destructive test pressure Activation Pressure Voltage Current Force No Triggering Max pressure Thread connection Inlet Outlet Accessories Installation Mounting direction Smallest cylinder	Temperatura operattiva installazzjoni ħażna mod fluss dijametru qasam piż pressjoni xogħol jinfaqax attivazzjoni pressjoni vultaġġ kurrenti forza ebda attivazzjoni istampa Max konnessjonijiet ħajt inlet outlet aċċessorji installazzjoni direzżjoni immuntar ċilindru iżgħar	Temperature operare instalare depozitare mod Flow diametru zonă greutate presiune muncă burst activarea presiune voltaj current forță nu Triggering press max conexiuni filet admisie priză accesorii instalare Direcția de montare Cel mai mic cilindru	Температура експлоатационен монтаж съхранение Flow начин диаметър област тегло налягане работа Burst активирание налягане волтаж ток сила Не Възбуждане Max натиснете Нишка връзки впускателен изход аксесоари Монтаж Монтаж посока Най-малък цилиндър	Θερμοκρασία λειτουργικά εγκατάσταση αποθήκευση τρόπο ροής διάμετρος Περιοχή Βάρος πίεση εργασία Burst δραστηριοποίηση πίεση τάση ρεύμα δύναμη καμία ενεργοποίηση max Τύπου συνδέσεις με σπείρωμα είσοδος έξοδος αξεσουάρ εγκατάσταση Τοποθέτηση κατεύθυνση μικρότερη κύλινδρο

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 FIRE EATER %		Vølundsvej 17 DK- 3400 Hillerød Tel +45 7022 2769 Fax +45 7023 2769	