



FIRE PROTECTION PRODUCTS

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FIRE PROTECTION PRODUCTS

ANGULAR EXPANSION JOINTS ► GIMBAL TYPE SEISMIC EXPANSION JOINTS



Bellow Material
Connection Types
Flange Material
Inner Sleeve
Accessories

Operating Temperature
Operating Pressure

Certificates

AISI 321 Stainless Steel (Opt.304,316L,316Ti,309)
Fixed and Floating Flanged, Welded Ended & Grooved
PN 16, St.37.2 as standard, the material can be customised on request
AISI 321 Stainless Steel (Opt. 304,316L,316Ti,309)
Inner sleeve, cover, counter flange, gaskets, insulation etc.
Are available on request.
-10 °C/+550 °C
175 psi & 250 psi
Can be produced with different pressure rates PN 2,5-63
FM approval, Class 1920
PED 2014/68/EU Cat.III Mod.H
Material certificate 3.1 according to EN 10204 and /or ASME



BRAIDED LOOP JOINTS ► FIRE PROTECTION EXPANSION JOINTS



Bellow Material
Braiding Material
Connection Types
Flange Material

Operating Temperature
Operating Pressure

Certificates

AISI 304 Stainless Steel (opt.321,316L,316Ti,309)
AISI 304 Stainless Steel
Floating Flanged, Welded Ended, Grooved & Threaded
PN 16, St.37.2 as standard, the material can be customised on request
-10 °C/+550 °C
175 psi & 250 psi
Can be produced with different pressure rates
FM approval, Class 1920
Material certificate 3.1 according to EN 10204 and /or ASME



FIRE PROTECTION HOSES ► SPRINKLER CONNECTION HOSES



FM, Vds Approved, UL Type

Assembly Bar Galvanized coated St 37.2
Fixing Bolt Carbon Steel 8.8
Kit Fixing Part Galvanized coated St 37.2
Sprinkler Hose Stainless Steel
Hose Fixing Part Galvanized coated St 37.2
Hose Connection Carbon Steel or Stainless Steel
Equipment



FM		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH
20	1" x 1/2"	500 700 1000 1500
	1" x 3/4"	
	3/4" x 1/2"	
	3/4" x 3/4"	
25	1" x 1/2"	
	1" x 3/4"	

Vds		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH
20	3/4" x 1/2"	500 1000 1500 2000
	1" x 1/2"	
25	3/4" x 1/2"	
	1" x 1/2"	

UL		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH
20	1" x 1/2"	500
25	1" x 1/2"	700

FIRE PROTECTION VALVES ► NRS GATE VALVE



Size
Body
Cover
Stem
O-ring
Gasket
Connction
Max. Working Temperature
Working Pressure

4" to 24"
ASTM A 536
ASTM 536
ASTM AISI 420
EPDM
EPDM
Flanged
80 °C
200 psi ~ 300 psi



FIRE PROTECTION VALVES ► BUTTERFLY VALVE



Size
Body
Disc
Stem
Gasket
Max. Working Temperature
Working Pressure
Connection

2" to 12"
ASTM A 536
ASTM 395 Ni Plated
ASTM 583 Type 416 Stainless Steel
EPDM
120 °C
170 psi ~ 300psi
Threaded, Wafer & Grooved

FIRE PROTECTION VALVES ► OS&Y GATE VALVE



Size
Body
Cover
Stem
O-ring
Gasket
Connetion
Max. Working Temperature
Working Pressure

2" to 24"
ASTM A 536
ASTM 536
ASTM AISI 420
EPDM
EPDM
Flanged x Flanged | Flanged x Grooved | Grooved x Grooved
175 psi ~ 300 psi

FIRE PUMP FLOWMETER SYSTEM ► FLOW TEST METER



Construction & Specifications

Materials
Valves
Connection & Rated Pressure

Carbon steel
Brass
Welded
Grooved
Flanged #150
Flanged #300
Rubber with brass fittings
Polycarbonate

-500PSI
-500PSI
-275PSI
-500PSI



Hose
ID Tag

Meter Device

Size
Body
Operation
Accuracy
Temperature
Pressure
Weight

2 1/2" to 12"
Aluminium
Diaphragm
+%2 Full Scale
80 °C
500PSI
1.7 kg

SUPERVISORY SWITCHES ► OS&Y SUPERVISORY SWITCH



Connection
Working Temperature
Size

Vertical or Horizontal
0 °C / 49 °C
2" to 16"

FIRE PROTECTION PRODUCTS

FIRE PROTECTION VALVES ► WET ALARM VALVE & SYSTEM



Connection
Max. Working Pressure
Size
Mounting
System Components

Flanged x Flanged | Flanged x Grooved | Grooved x Grooved
17.5 bar
3" to 8"
Vertical
Wet Alarm Valve
Pressure Switch
Retarding Chamber
Trim Set
Sprinkler Alarm



CHECK VALVES ► SWING CHECK VALVE FLANGED



Connection
Size
Max. Working Temperature
Working Pressure
Max. Working Temperature

Flanged x Flanged | Flanged x Grooved | Wafer
2" to 12"
120 °C
175 psi ~ 300 psi
120 °C



FIRE PROTECTION VALVES ► CLA-VAL PRESSURE RELIEF & REDUCING VALVE GROOVED



Body
Cover
Valve Internal Parts
Pilot Control and Valve System
Valve Diaphragm
Size
Connection
Inlet Pressure

ASTM A 536
ASTM A 536
Bronze ASTM B61
Bronze ASTM B62 & Stainless Steel 303
Buna-N Syntetic Rubber
2" to 8"
Flanged x Flanged | Grooved x Grooved
175 psi - Outlet Adj. Pressure: 30 -165 psi
300 psi - Outlet Adj. Pressure: 30 -165 psi



PRESSURE SWITCH ► MODEL APS-10



Working Temperature
Connection
Max Working Pressure

-10 °C - 80 °C
1/2" NPT
175 psi

TEST AND DRAIN VALVES ► TEST AND DRAIN VALVE / MODEL STDV



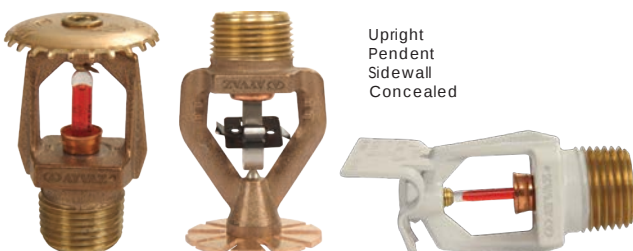
Connection
Body
Ball
Gasket
Size
Working Pressure

Threaded | Grooved
Brass
Chrome Plated
Teflon
1" to 2"
300 psi

FIRE HOSE CABINETS ► OUTDOOR FIRE HYDRANT CABINETS



FIRE PROTECTION EQUIPMENT ► SPRINKLERS



Upright
Pendent
Sidewall
Concealed

Size
K Factor
Installation Position
Temperature
Surface

1/2" npt
5.6 (80)
Pendent, Upright, Sidewall
68 °C (155°F), 79 °C (175°F), 93 °C (200°F), 141 °C (286°F)
Brass, Chrome, White Polyster

FIRE PROTECTION PRODUCTS

SUPERVISORY SWITCH FOR OS&Y GATE VALVE ► MODEL NRS-SS



Service Environment	Indoor or Outdoor use, all parts have corrosion resistant finishes (IP65)
Temperature Range	-10°C - 80°C (14 °F - 176°F)
Cover Tamper	Tamper Resistant Screws (Optional cover tamper switch available)
Electrical Ratings	15 Amps at 125/250VA
Appliance Standards	NFPA-13, NFPA-13D, NFPA-13R, NFPA-72

WATERFLOW DETECTOR ► U BOLTED / THREADED



Connection	Threaded or U Bolted
Working Temperature	0 °C - 49 °C
Dimensions	2" – 8" U Bolted
Pressure Rating	365 PSI (25 bar)

FIRE PROTECTION EQUIPMENT ► SYSTEM SENSOR FLOW SWITCH



Sizes	Steel Pipe schedules 10 to 40, sizes 1" to 8" BS 1387 pipe 50mm thru 200mm Up to 450 PSI (31 bar)
Pressure Rating	Up to 450 PSI (31 bar)
Accessories	A Conventional Trim Trim package for use with the Model F-1 Deluge Valve.
Minimum Flow Rate for Alarm	10 GPM (38 LPM)
Maximum Surge	18 FPS (5,5 m/s)
Contact Ratings	10.0 Amps at 125/250VAC 2.5 Amps at 6/12/24VDC Resistive
Conduit Entrances	Two knockouts provided for 1/2" conduit

FIRE PROTECTION EQUIPMENT ► 100 TONG GROOVED PIPING PRODUCTS

Body
Gasket
Bolt and Nuts
Temperature Range

GGG 40.3 Ductile Iron
EPDM (Standard)
Galvanized Carbon Steel
-50/+150 °C



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CONCENTRIC REDUCERS



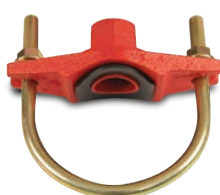
RIGID COUPLINGS



FLEXIBLE COUPLINGS



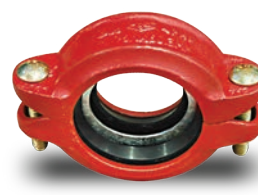
U-BOLTS



GROOVED FLANGES



REDUCING COUPLINGS



FLANGE ADAPTERS



ELBOWS



GROOVED MECHANICAL T



THREADED MECHANICAL T



Gasket Material	Temperature	Application Areas
EPDM	-34 °C +150 °C	Cold and hot water, non-oil gas, diluted acid, alkaline salt
Silicon	-40 °C +177 °C	Drinking water, hot water, high-temperature air and some high-temperature chemicals
Nitrile	-29 °C +82 °C	Oil, oil-gas, mineral oil, vegetable oil, hot water, water with temperature of not than 65 °C are forbidden

FIRE PROTECTION EQUIPMENT ► FIRE HYDRANTS



Body & Elbow
Stem
Gasket
Size
Pressure Class

Cast Iron GG-25
Stainless Steel
EPDM
DN 100
PN 16

FIRE HOSE VALVES

Size Available
Working Pressure
BODY

1 1/2" - 2 1/2"
20.6 (300psi)
ASTM B584 C85700

STORZ COUPLINGS





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