

**FIRE  
PROTECTION  
PRODUCTS**

**6**

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



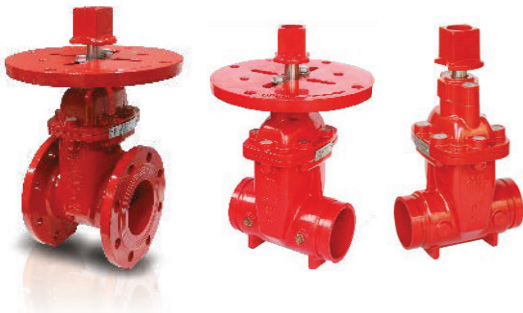
**FM, VdS Approved, UL Type**  
Assembly Bar  
Fixing Bolt  
Kit Fixing Part  
Sprinkler Hose  
Hose Fixing Part  
Hose Connection  
Equipment  
  
Galvanized coated St 37.2  
Carbon Steel 8.8  
Galvanized coated St 37.2  
Stainless Steel  
Galvanized coated St 37.2  
  
Carbon Steel or Staines Steel

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
		700
		1000
		1200
25	1" x 1/2"	1500
		1800

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	2" to 12"
Body	ASTM A 536
Disc	ASTM 395 Ni Plated
Stem	ASTM 583 Type 416 Stainless Steel
Gasket	EPDM
Max. Working Temperature	120 °C
Working Pressure	170 psi ~ 300psi
Connection	Threaded, Wafer & Grooved

FIRE PROTECTION VALVES► OS&Y GATE VALVE



Size	2" to 24"
Body	ASTM A 536
Cover	ASTM 536
Stem	ASTM AISI 420
O-ring	EPDM
Gasket	EPDM
Connetion	Flanged x Flanged   Flanged x Grooved   Grooved x Grooved
Max. Working Temperature	
Working Pressure	175 psi ~ 300 psi

FIRE PUMP FLOWMETER SYSTEM► FLOW TEST METER



Construction & Specifications	
Materials	Carbon steel
Valves	Brass
Connection & Rated Pressure	Welded -500PSI Grooved -500PSI Flanged #150 -275PSI Flanged #300 -500PSI
Hose	Rubber with brass fittings
ID Tag	Polycarbonate
Meter Device	
Size	2 1/2" to 12"
Body	Aluminium
Operation	Diaphragm
Accuracy	+%2 Full Scale
Temperature	80 °C
Pressure	500PSI
Weight	1.7 kg

SUPERVISORY SWITCHES► OS&Y SUPERVISORY SWITCH



Connection	Vertical or Horizontal
Working Temperature	0 °C / 49 °C
Size	2" to 16"



**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 ► PRESSURE REDUCING VALVE**



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

**FIRE PROTECTION VALVES ► PRESSURE RELIEF VALVE**



**THREADED**  
**Body and Cover** : Bronze Casting ASTM B62  
**Trim** : Brass and 303 Stainless Steel  
**Temperature Range** : Water to 82 °C ( 180 °F) Max.  
**Pressure Adjustment Range** 0 to 75 psi - 20 to 200 psi - 100 to 300 psi

**FLANGED**  
**Body and Cover** : Ductile Iron ASTM A-536 Naval Bronze ASTM B61  
**Trim** : Bronze Seat, Teflon Coated - Stainless Steel Stem, Dura-Kleen Stem  
**Temperature Range** : Water to 82 °C ( 180 °F) Max.  
**Pressure Adjustment Range** 20-200 psi (150 Class) - 100-300 psi (300 Class)

**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

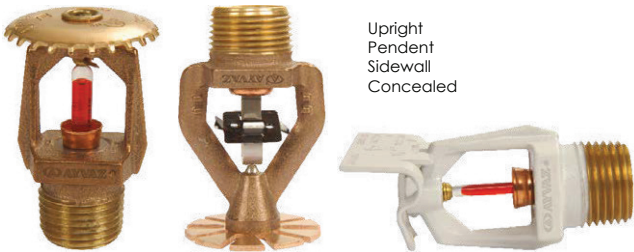


Connection	Threaded   Grooved
Body	Brass
Ball	Chrome Plated
Gasket	Teflon
Size	1" to 2"
Working Pressure	300 psi

FIRE HOSE CABINETS► OUTDOOR FIRE HYDRANT CABINETS



FIRE PROTECTION EQUIPMENT► SPRINKLERS



Upright  
Pendent  
Sidewall  
Concealed

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

Ayvaz products are subject to technical alterations and deviations resulting from the manufacturing process.

SUPERVISORY SWITCH FOR NRS 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

FIRE PROTECTION EQUIPMENT ► **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 ► **WATERFLOW DETECTOR**



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



EQUAL T



CONCENTRIC REDUCERS



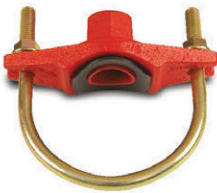
RIGID COUPLINGS



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



**HEAD OFFICE**

Atatürk Sanayi Bölgesi  
Mustafa İnan Caddesi No: 44 Arnavutköy - İSTANBUL  
Tel : +90 212 771 01 45 (pbx) | info@ayvaz.com

**MAIN FACTORY**

Hadımköy Mahallesi  
Arnavutköy - İSTANBUL  
Tel : +90 212 771 47 27  
www.ayvaz.com



Cona  
Caserta / Italy

Tel : +39 0823 187 3988  
rmolaro@ayvaz.com



Ayvaz Ukraine  
Kiev / Ukraine

Tel : +380 44 390 57 57  
info@ayvaz.com.ua



Tricorr  
Warsaw / Poland  
Tel : +48-32-783-295-1  
tricorr@tricorr.eu



Ayvaz Germany  
Viernheim / Germany  
Tel : +49 62046014399  
germany@ayvaz.com



Ayvaz Serbia  
Belgrade / Serbia  
Tel : +381 61 658 70 52  
yakbiyik@ayvaz.com



Ayvaz Azerbaijan  
Baku / Azerbaijan  
Tel : +99(455)579-84-32  
ahayatov@ayvaz.com



Ayvaz Kazakhstan LLP  
Almaty / Kazakhstan  
Tel : +7 (727) 327 97 57  
www.ayvaz.kz



Ayvaz N  
Isperih / Bulgaria  
Tel : +359 8431 27 32  
office@ayvaz-n.eu



Ayvaz Vietnam  
HCMC / Vietnam  
Tel : +84 89 8508345  
ggursoy@ayvaz.com



Ayvaz China  
Ningbo / China  
Tel : +86 152 5830 7361  
msahin@ayvaz.com



Ayvaz Egypt  
Cairo / Egypt  
Tel : +20 122 819 78 29  
andrew.eid@ayvaz.com



Ayvaz Gulf  
Dubai / U.A.E.  
Tel : +971 563550822  
+971 501306871  
mideast@ayvaz.com



Ayvaz Americas  
Rhode Island  
Tel : +1 401 737 8380  
americas@ayvaz.com