

JONES MODEL J3760 SUPER FIRE HYDRANT (6" X 4" X 2.5" X 2.5") ALL MATERIALS INSTALLED SHALL BE NEW UL AND / OR FM APPROVED FOR FIRE PROTECTION USE WHERE SUCH LISTINGS ARE APPLICABLE. RE: NFPA 13, 2016 Edition FITTINGS SHALL BE CLASS 250 DUCTILE IRON WITH FLANGED OR MECHANICAL 10.4.2* Protection of Piping. [24:10.4.2] JOINT ENDS. 10.4.2.2 Protection from Mechanical Damage. The depth of cover for private fire service mains and their appurtenances to protect against mechanical damage shall be in accordance with 10.4.2.2.3. [24:10.4.2.2] MINIMUM PIPE COVER SHALL BE 36" OVER TRAFFIC ZONES - 30" OVER PEDESTRIAN ZONES. IO.4.2.2.3 Private fire service mains installed under driveways or roadways shall be buried at a minimum depth of 3ft (900mm) [24:10.4.2.2.3] ALL PIPE AND FITTINGS SHALL BE WRAPPED AND/ OR COATED AGAINST CORROSION IN ACCORDANCE WITH FIRE AND WATER DEPARTMENT REQUIREMENTS (IF APPLICABLE.) <u>10.4.3 Private Fire Service Mains Under Buildings.</u> Except as allowed by 10.4.3, private fire service mains shall not be allowed to run under buildings. [<u>24</u>:10.4.3] PIPE SHALL BE INSTALLED WITH SAND OR EQUIVALENT MATERIAL SURROUNDING PIPE ZONE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. IO.4.3.1* Private fire service mains supplying fire protection systems within the building shall be permitted to extend no more than IO ft (3m), as measured from the outside of the building, under the building to the riser location. [24:10.4.3.1] ALL PIPE PENETRATING CONCRETE OR MASONRY WALLS AND FLOOR SLABS SHALL BE PROVIDED WITH A 2" CLEAR SPACE AROUND THE OUTSIDE DIAMETER OF PIPE. HOLES FOR PENETRATIONS SHALL BE EITHER FILLED WITH APPROVED FLEXIBLE ON SITE FIRE HYDRANT DETAIL FIRE RESISTIVE MATERIAL OR SLEEVE IN ACCORDANCE WITH THE REQUIREMENTS IO.4.3.1.1* Pipe joints shall not be located directly under foundation fittings. [24:10.4.3.1.1] OF THE AUTHORITIES HAVING JURISDICTION. ON-SITE FIRE HYDRANT DETAIL IO.4.3.1.2* Piping shall be installed a minimum of 12 in. (300mm) below the bottom of building foundations or footers.
[24: IO.4.3.1.2] ALL PIPING, HYDROSTATIC TESTING AND FLUSHING OF SYSTEM ARE TO WITNESSED AND/ OR INSPECTED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO BEING BACKFILLED. 10.4.3.2.3 All joints shall be mechanically restrained. [<u>24</u>:10.4.3.2.3] +1−6 A.F.F. ◆ IBR UNDERGROUND NOTES AMES IN BUILDING RISER (IBR) CONDITION III AMES 3000 DCDA Refer to Local Codes CONDITION VII AMES MODEL 3000 IN—LINE
Double Check Assembly
Outdoor Instillation —OS&Y Gates AMES 3000 DCDA DETAIL SYSTEM DESIGN SHALL CONFORM TO NEPA 13 & 24 (2016 EDITION) AND CITY ORANGE FIRE DEPARTMENT REQUIREMENTS. DEPTH OF BURY: UNDER ROADWAY: 36" 1. THRUST BLOCK AREAS BASED ON 225 PSI AND 2,000 PSF SOIL PRESSURE WITH 2½ FEET OF COVER MINIMUM. THRUST BLOCK BEARING FACES SHALL BE PLACED AGAINST UNDISTURBED SOIL, APPROVED COMPACTED BACKFILL, OR CLASS 100-E-100 SLURRY. 5. THRUST BLOCKS SHALL BE CLASS 560-C-3250 CONCRETE, UNLESS SPECIFIED OTHERWISE. . TO FACILITATE FUTURE REMOVAL OF THRUST BLOCKS AND LINE INSTALL $\frac{1}{4}$ " BENT ROD HANDLES. USE CARDBOARD SEPRATORS BETWEEN BLOCK, IF NEEDED. 001 THRUST BLOCK DETAIL BACK FILL DETAIL Main St DRAWN BY: AS NOTED SCALE: JOB #: 19-1902 SHEET #:

Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

Series 3000SS

Double Check Detector Assemblies

Sizes: 21/2" - 12" (65 - 300mm)

Features

- Cam-Check Assembly valve provides low head loss
- Short lay length is ideally suited for retrofit installations
- Stainless Steel body is half the weight of competitive designs reducing installation and shipping cost
- Stainless steel construction provides long term corrosion protection and maximum strength
- Single top access cover with two-bolt grooved style coupling for ease of maintenance
- No special tools required for servicing
- Compact construction allows for smaller vaults and enclosures
- Furnished with ⁵/₈" x ³/₄" bronze meter (gpm or cfm)
- Detects underground leaks and unauthorized water use
- Maybe installed horizontal or vertical "flow up" position (ASSE Only)

Available Models

Suffix:

LG - less shutoff valves

OSY – UL/FM outside stem and yoke resilient seated gate valves

OSY FxG - flanged inlet gate connection and grooved outlet gate connection

OSY GxF - grooved inlet gate connection and flanged outlet gate connection

OSY GxG – grooved inlet gate connection and grooved outlet gate connection

CFM - cubic feet per minute

GPM - gallons per minute meter

Post indicator plate and operating nut available – consult factory

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



Series 3000SS Double Check Detector Assemblies are designed for use in accordance with water utility non-health hazard containment requirements. It is mandatory to prevent the reverse flow of fire protection system substances, i.e., glycerin wetting agents, stagnant water and water of non-potable quality from being pumped or siphoned into the potable water supply.

Specifications

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a drinking water supply. Degree of hazard present is determined by the local authority having jurisdiction. The main valve body shall be manufactured from 300 Series stainless steel to provide corrosion resistance, 100% lead free* through the waterway. The double check detector assembly consists of two independently operating, spring loaded check valves, two UL, FM, OSY resilient seated gate valves, and bypass assembly. The bypass assembly consists of a meter (cubic ft. or gallons), a double check including shutoff valves and required test cocks. Each cam-check shall be internally loaded and provide a positive drip tight closure against reverse flow. Cam-check includes a stainless steel cam arm and spring, rubber faced disc and a replaceable seat. There shall be no brass or bronze parts used within the cam-check valve assembly. The check valve seats shall be of molded thermoplastic construction. The use of seat screws as a retention method is prohibited. All internal parts shall be accessible through a single cover on the valve assembly. The valve cover shall be held in place through the use of a single grooved style two-bolt coupling. The bypass line shall be hydraulically sized to accurately measure low flow. The bypass line shall consist of a meter, a small diameter double check assembly with test cocks and isolation valves. The bypass line double check valve shall have two independently operating modular poppet check valves, and top mounted test cocks. The assembly shall be an Ames Fire & Waterworks 3000SS.

Materials

All internal metal parts: 300 Series stainless steel, Main valve body: 300 Series stainless steel, Check assembly: Noryl® Flange dimension in accordance with AWWA Class D. Noryl® is a registered trademark of General Electric Company.

A WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.



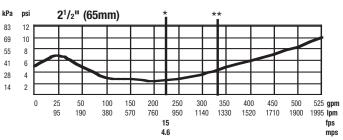
Ames Fire & Waterworks product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Fire & Waterworks Technical Service. Ames Fire & Waterworks reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Ames Fire & Waterworks products previously or subsequently sold.

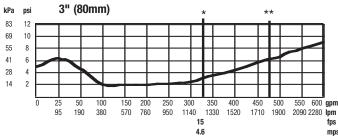
Pressure — Temperature

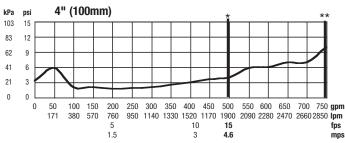
Temperature Range: 33°F – 110°F (0.5°C – 43°C) Maximum Working Pressure: 175psi (12 bar)

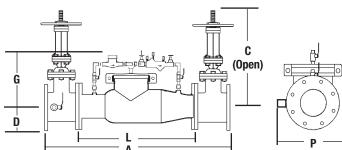
Capacity

Flow curves as tested by Underwriters Laboratory per UL 1469, 1996. * Rated flow **UL Tested









Standards

ASSE 1048, AWWA C510-92, CSA B64.5, UL 1469

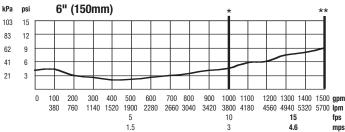
Approvals

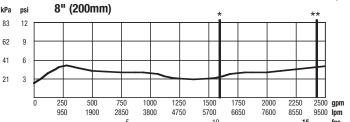
UL Classified (OSY only), FM (sizes 21/2" - 10", OSY only)

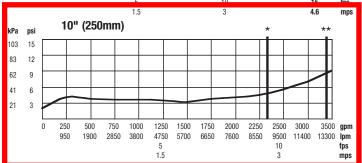


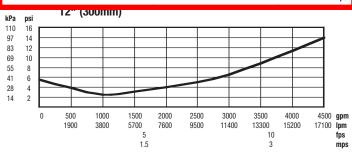












SIZE	(DN)	DIMENSIONS									NET WEIGHT		NET WEIGHT				
			A	C (0	OSY)	D		G		L		P		w/Gates		w/o Gates	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg.	lb.	kg.
21/2	65	37	965	163/8	416	31/2	89	10	250	22	559	121/2	318	155	70	68	31
3	80	38	965	187/8	479	3¾	95	10	250	22	559	13	330	230	104	70	32
4	100	40	1016	223/4	578	41/2	114	10	250	22	559	141/2	368	240	109	73	33
6	150	481/2	1232	301//8	765	5½	140	15	381	271/2	699	15½	394	390	177	120	54
8	200	52½	1334	37¾	959	63/4	171	15	381	29½	749	18½	464	572	259	180	82
10	250	55½	1410	45¾	1162	8	200	15	381	29½	749	19½	495	774	351	190	86
12	300	57½	1461	531/8	1349	91/2	241	15	381	29½	749	21	533	1044	474	220	100



A WATTS Brand

USA: Backflow Tel: (978) 689-6066 • Fax: (978) 975-8350 • AmesFireWater.com

USA: Control Valves Tel: (713) 943-0688 • Fax: (713) 944-9445 • AmesFireWater.com

Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • AmesFireWater.ca

Latin America: Tel: (52) 81-1001-8600 • AmesFireWater.com