

FIRE SYSTEM INFORMATION - JOB#4730504

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1	FS-FCH-1	ANSUL R102	3.0	10	FIRE CABINET LEFT	LEFT, HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	FS-FCH-1	MECHANICAL	1.250	CAPTIVEAIR SYSTEMS

FIRE SYSTEM PARTS LIST KEY

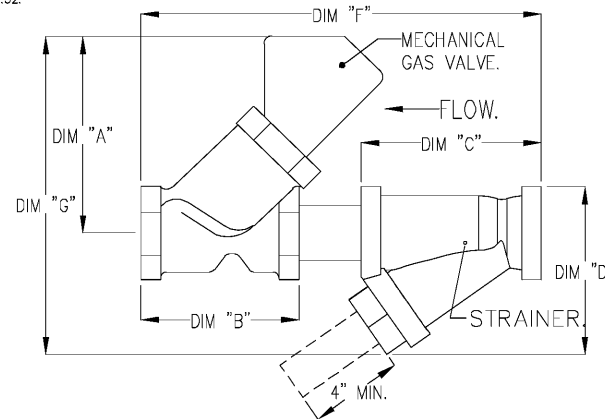
FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1	FS-FCH-1	0 - 0 - 43-15733 AIR CYLINDER ASSEMBLY - AIR CYLINDER AND TUBING FOR MECHANICAL GAS VALVES (ANSUL PART #15733).	1	0
		0 - 0 - 439861 LARGE BLOWOFF CAP, METAL, TO FIT NEW LASER-ETCHED ANSUL NOZZLES, A0024201.	6	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR ANSUL TANKS.	1	0
		0 - 0 - UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS.	1	0
		1 - 1 - AT - 3.0 TANK(H1B) - 3.0 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, OR SS ENCLOSURE (UL/JULC)) MACDLA # 01-429862.	1	0
		3 - 3 - ANS-DEM REGULATED RELEASE - ANSUL REGULATED MECHANICAL RELEASE/BACKET ASSEMBLY, DEM, R-102, CARTRIDGE DETECTION INCLUDED, ANSUL PART # 79493.	1	0
		5 - 5 - LIQ-3.0 AGENT - ANSULEX LOW PH WET CHEMICAL AGENT, 3 GALLON (UL) 79372.	0	1
		7 - 7 - 101-20 CARTRIDGE - CARBON DIOXIDE 101-20, 3 GALLON CARTRIDGE (R-102).	0	1
		10 - 10 - TLINK LINK - TEST LINK (1 TEST LINK) ANSUL PART # 24916, MACDLA # 20-24916.	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT- INCLUDES 2 SWITCHES AND MOUNTING HARDWARE. SINGLE DUAL ELECTRIC SWITCH, ONE STANDARD SWITCH, ONE ALARM DUTY SWITCH ANSUL PART # 437155, MACDLA # 08-437155.	1	0
		14 - 14 - 419336 NOZZLE - 1W NOZZLE, DUCT/APPLIANCE (REPLACES ANSUL PART# 419347, CAS PART# 419336) A0001266.	1	0
		16 - 16 - 419335 NOZZLE - IN NOZZLE, PLENUM/APPLIANCE (REPLACES ANSUL PART# 419346, CAS PART# 419335) A0001265.	1	0
		20 - 20 - 419340 NOZZLE - 245 NOZZLE, APPLIANCE (REPLACES ANSUL PART# 419351, PART# 419340) A0001270.	4	0
		25 - 25 - 418569 NOZZLE ADAPTOR - SWIVEL NOZZLE ADAPTOR (REPLACES CAS PART # 418569) A0001274.	7	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	4	0
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" HOOD SEAL (UL) ANSUL PART # 423253, MACDLA # 32-79768.	1	0
		28 - 28 - S-DET DETECTOR - SERIES (SCISSOR LINKAGE) ANSUL PART # 435547/435548 (ULD # 417369/434480); MACDLA # 05-417369.	5	0
		30 - 30 - ANS-500FL FUSIBLE LINK - 500DEG F, R-102 AND PIRANHA, ANSUL PART # 439232.	5	0
34 - 34 - RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPE) 434618 (ULD MACDLA #06-4835).	1	0		
35 - 35 - PE-LT PULLEY ELBOW - LOW TEMP. PULLEY ELBOW, SET SCREW TYPE ANSUL PART # 415670, MACDLA # 11-415671.	2	0		
36 - 36 - PE-HT PULLEY ELBOW - HIGH TEMP PULLEY ELBOW, COMPRESSION TYPE, ANSUL PART # 423251, MACDLA # 10-45771.	1	0		

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GAS VALVES AND STRAINERS															
TYPE	SIZE	VOLTAGE	GAS VALVE SIZING			GAS VALVE DIMENSIONS						INSTALLATION MOUNTING ORIENTATION	PART NUMBERS		
			MIN. INLET PRESSURE (0 IN.W.C.)	MAX. INLET PRESSURE (10 PSI (277 IN.W.C.))	FLOW AT 1 IN.W.C. DROP NATURAL GAS (1,718,000 BTU/HR)	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"		DIM "G"	GAS VALVE PART NUMBER	STRAINER PART NUMBER
GAS VALVE FOR FS#1 - MECHANICAL	1-1/4"	N/A	0 PSI	10 PSI	1,718,000	6-3/8"	4-7/8"	5-1/8"	5-15/16"	2"	10-3/4"	HORIZONTAL	26-55804	4417K66	MGVA1-1/4

ALL GAS VALVES/STRAINERS
 PROPER CLEARANCE MUST BE PROVIDED TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER. CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.84 SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS
 TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
 NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP^{0.84}
 TO CALCULATE GAS FLOW FOR OTHER THAN 0.84 SPECIFIC GRAVITY
 NEW BTU/HR = (BTU/HR AT 0.84) X (0.84 / NEW SPECIFIC GRAVITY)^{0.84}



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REVISIONS

DESCRIPTION	DATE

CAPTIVE AIR

www.captiveair.com
 Tulsa Office
 12101 East 51st Street, Suite 101A, Tulsa, OK, 74146 PHONE: (918) 258-0291 FAX: (918) 227-5947 EMAIL: reg@captivaire.com

Love's #417 - Remodel
 3150 Grant Street,
 Gary, IN, 46408

DATE: 2/8/2021
DWG.#: 4730504
DRAWN BY: RJH-80
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
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