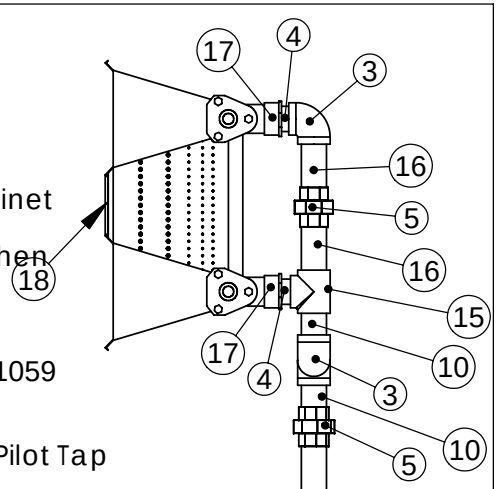
BILL OF MATERIALS		
ITEM NUMBER	Description	Quantity
1	1-1/2" Quick Seal	1
2	1-1/2" x 4" Nipple	1
3	1-1/2" 90° Elbow	5
4	1-1/2" x 1-1/2" Nipple	12
5	1-1/2" Union	4
6	1-1/2" x 1-1/2" x 1/2" Tee	3
7	1/4" Square Head Pipe Plug	2
8	1-1/2" K3A682T Solenoid Valve	1
9	1-1/2" V4055A1007 Hydraulic Actuator and V5055A1020 Valve	1
10	1-1/2" x 2-1/2" Nipple	3
11	Maxitrol 1-1/2" MR212D Modulating Valve	1
12	1/2" Male x 1/4" Female Reducer	2
13	1-1/2" Manual Ball Valve	1
14	1-1/2" x 10" Nipple	1
15	1-1/2" x 1-1/2" x 1-1/2" Tee	1
16	1-1/2" x 4" Nipple	2
17	1-1/2" Female x 2" Male Adapter	2
18	48" or 60" Dual Fuel Midco Burner	1
19	N/A	N/A
20	N/A	N/A
21	1/4" Brass Elbow	1
22	3/8" Male x 1/4" Female Reducer	1
23	325-3x3/8 Pilot Gas Regulator	1
24	3/8" 90° Elbow	1
25	3/8" Close Nipple (1-1/2")	1
26	3/8" x 2" Nipple	1
27	3/8" Pilot Shut Off Valve	1
28	1/2" Male x 3/8" Female Reducer	1
29	3/8" x 3" Nipple	1

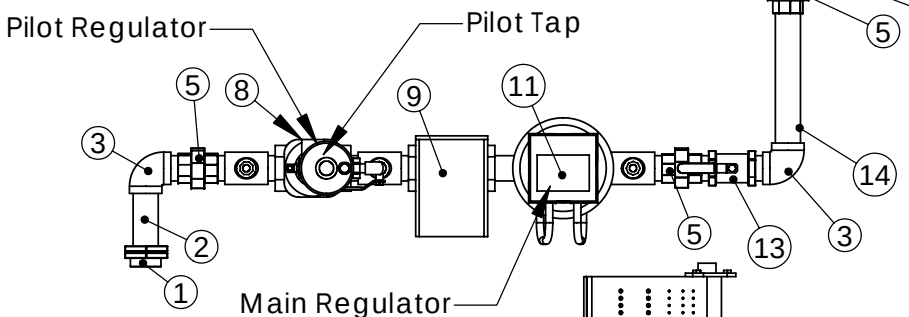
NOTES:
Gas Type: Natural or LP
Inlet Pressure: 7 in. w.c. - 5 psi.
Max. Natural Gas Manifold Pressure: 5 in. w.c.
Max. LP Manifold Pressure: 2.5 in. w.c.

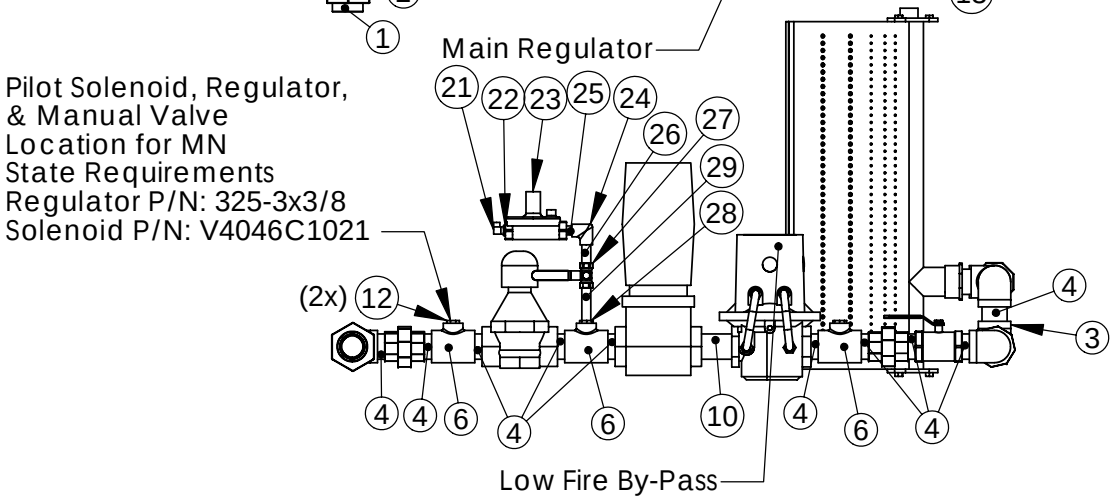
External Ball Valve Shipped Loose in Control Cabinet

External High Gas Pressure Regulator Required when gas pressure exceeds 5 psi.:
P/N = 243-8-2-1.5-OR-1-30 (25 psi. max.)

Item #9 is replaced by V4055D1019 and V5055C1059 for Proof of Closure Applications







CONFIDENTIAL

		Drawing Name: DF 5 Gas Train	*Drawing Revision: 1*
Material: N/A	*Comments: N/A*	*Part Number: N/A*	*Part Revision: N/A*
Cutsize: N/A x N/A	*Job#: N/A*	*Drawn By:*	*Sheet: 1 of 2*
Quantity: 1	*Configuration: Gas Pressure Switch Option*	*Parent Assembly: DF 5*	*Weight: N/A lbs*

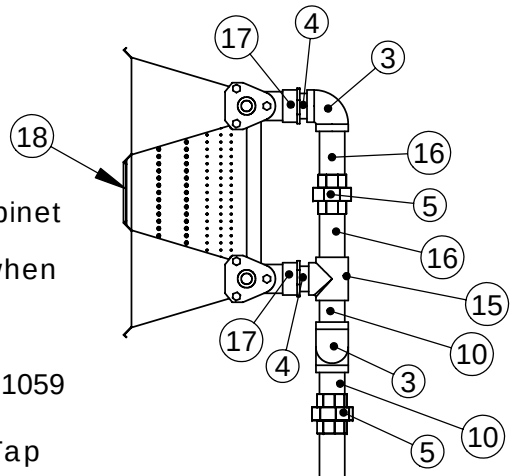
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12	1/2" Male x 1/4" Female Reducer	2
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14	1-1/2" x 10" Nipple	1
15	1-1/2" x 1-1/2" x 1-1/2" Tee	1
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23	325-3x3/8 Pilot Gas Regulator	1
24	3/8" 90° Elbow	1
25	3/8" Close Nipple (1-1/2")	1
26	3/8" x 2" Nipple	1
27	3/8" Pilot Shut Off Valve	1
28	1/2" Male x 3/8" Female Reducer	1
29	3/8" x 3" Nipple	1
30	Optional Antunes HGP-A M1 Pressure Switch	1
31	Optional Antunes LGP-A M1 Pressure Switch	1

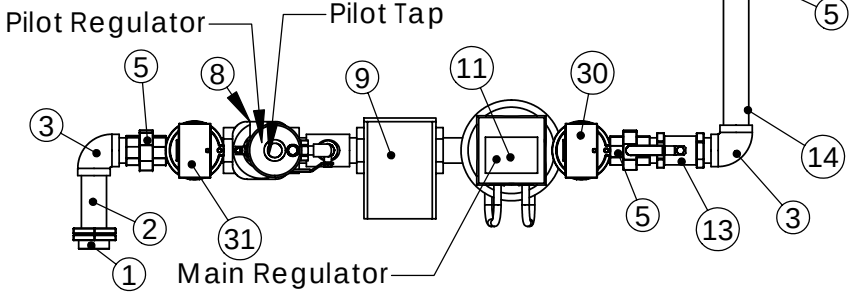
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External Ball Valve Shipped Loose in Control Cabinet

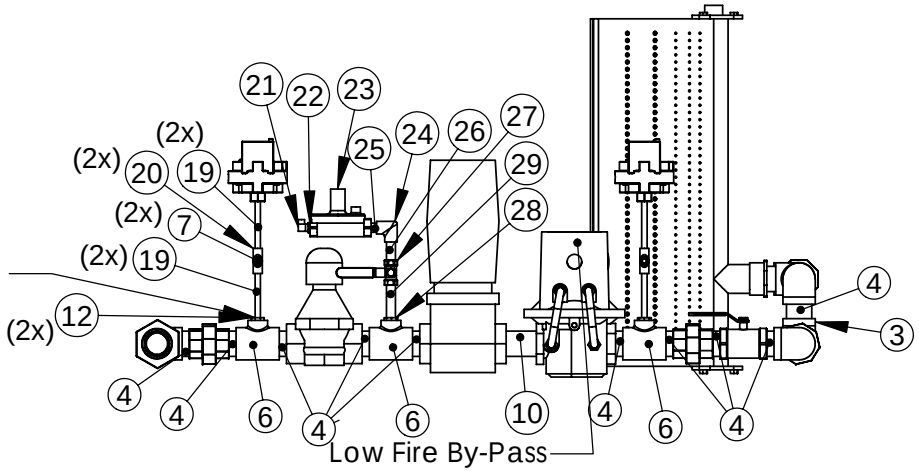
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P/N = 243-8-2-1.5-OR-1-30 (25 psi. max.)

Item #9 is replaced by V4055D1019 and V5055C1059 for Proof of Closure Applications





Pilot Solenoid, Regulator, & Manual Valve Location for MN State Requirements
Regulator P/N: 325-3x3/8
Solenoid P/N: V4046C1021



CONFIDENTIAL

		Drawing Name: DF 5 Gas Train	*Drawing Revision: 1*
Material: N/A	*Comments: N/A*	*Part Number: N/A*	*Part Revision: N/A*
Cutsize: N/A x N/A	*Job#: N/A*	*Drawn By:*	*Sheet: 2 of 2*
Quantity: 1	*Configuration: Gas Pressure Switch Option*	*Parent Assembly: DF 5*	*Weight: N/A lbs*