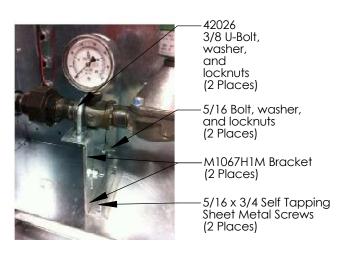
DF-430 Inch Less Than or Equal to 1100 MBH Gas Train 08/22/2019

	BILL OF MATERIALS	
ITEM NUMBER	Description	Quantity
1	1-1/4" Quick Seal	1
2	1-1/4" Male to 1" Female Reducer	1
3	1" x 3-3/4" Nipple	1
4	1" 90° Elbow	4
5	1" x 2" Nipple	2
6	1" Union	3
7	1" x 1" x 1/4" Tee	2
8	-5-15 w.c. Gas Pressure Gauge	1
9	1" 8214250 Solenoid Valve	2
10	Maxitrol 1-1/2" MR212D Modulating Valve	1
11	1" Manual Ball Valve	1
12	1" x 10" Nipple	1
13	1" x 9" Nipple	1
14	1" x CLOSE (1-1/2") Nipple	10
15	1" Female x 2" Male Adapter	1
16	1-1/2" Male x 1" Female Reducer	2
17	30" Dual Fuel Midco Burner	1
18	1/4" Brass Elbow	1
19	3/8" Male x 1/4" Female Reducer	1
20	325-3x3/8 Pilot Gas Regulator	1
21	3/8" 90° Elbow	1
22	3/8" x 1-1/8 Nipple	1
23	3/8" x 2-1/2" Nipple	2
24	3/8" Pilot Shut Off Valve	1
25	1" x 1" x 3/8" Tee	1
26	0-35" w.c. or 0-5 psi or 0-15 psi Pressure Gauge (check spec)	1

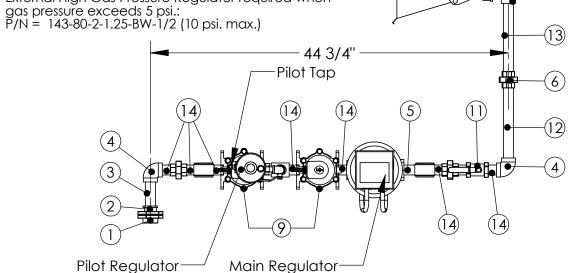


Standard Gas Train

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 High Gas Pressure Regulator required when



Revision History

Description Released to production

Updated solenoid valve part

Revised by ECN#

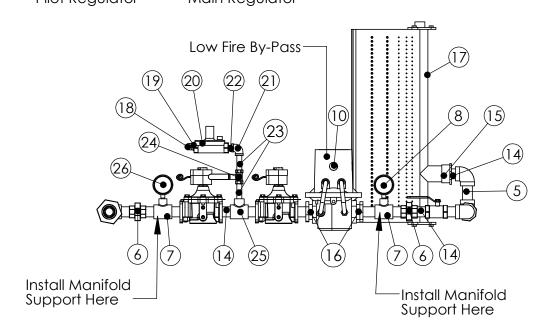
3067

8/22/2019

DAM

BFL

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Material: N/A	Part Number: N/A	Unless O
Blank Size: N/A x N/A	MACOLA/AX Number: N/A	Dimension
Weight: N/A lbs	Drawing Name: DF 4 30 Less Than or Equal to 1100 MBH Gas Train	Standar
	Drawn By: WBG	Fraction: Decimal
I (() VIFII)FIVITAT	Parent Assembly: DF 4	
	Sheet: 2 of 5	Angles:

Otherwize Specified sions are in Inches. ard Tolerances are:

.XXX ±.015 Angles:

BILL OF MATERIALS		
ITEM NUMBER	Description	Quantity
1	1-1/4" Quick Seal	1
2	1-1/4" Male to 1" Female Reducer	1
3	1" x 3-3/4" Nipple	1
4	1" 90° Elbow	4
5	1" x 2" Nipple	2
6	1" Union	3
7	1" x 1" x 1/4" Tee	2
8	1/4" Square Head Pipe Plug	2
	9 1" 8214250 Solenoid Valve	
10	Maxitrol 1-1/2" MR212D Modulating Valve	1
11	1" Manual Ball Valve	1
12	1" x 10" Nipple	1
13	1" x 9" Nipple	1
14	1" x CLOSE (1-1/2") Nipple	10
15	1" Female x 2" Male Adapter	1
16	1-1/2" Male x 1" Female Reducer	2
17	30" Dual Fuel Midco Burner	1
18	1/4" Brass Elbow	1
19	3/8" Male x 1/4" Female Reducer	1
20	325-3x3/8 Pilot Gas Regulator	1
21	3/8" 90° Elbow	1
22	3/8" x 1-1/8" Nipple	1
23	3/8" x 2-1/2" Nipple	2
24	3/8" Pilot Shut Off Valve	1
25	1/4" Close Nipple (7/8")	4
26	1/4" x 1/4" x 1/4" Tee	2
27	Optional GMH-A4-4-4 Pressure Switch	1
28	Optional GML-A4-4-4 Pressure Switch	1
29	1" x 1" x 3/8" Tee	1

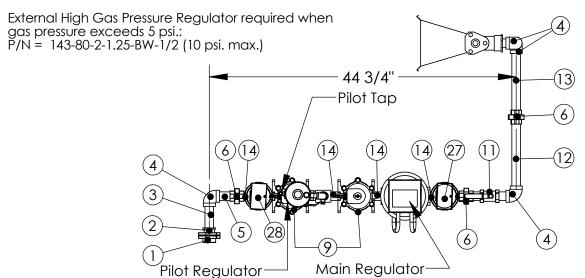
Gas Train w/Pressure Switch

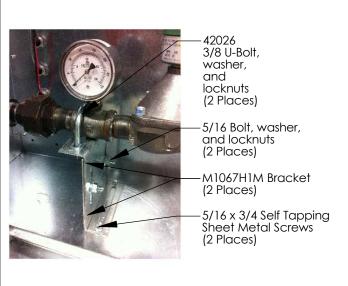
	Revision History			
#	Description	Revised by	ECN#	Date
0	Released to production	DAM		
1	Updated solenoid valve part	BFL	3067	8/22/2019

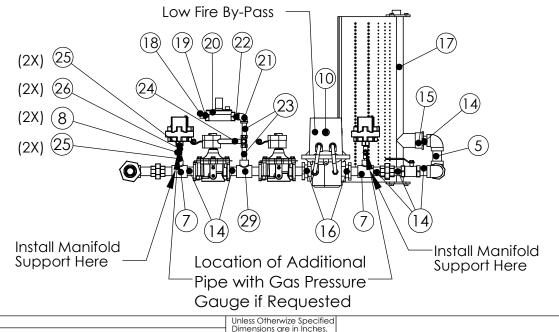
NOTES:

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.







	Marchai. 14/71
Weight: N/A lbs	Blank Size: N/A x N/A
	Weight: N/A lbs
	(

Material: N/A

Part Number: N/A
MACOLA/AX Number: N/A
Drawing Name: DF 4 30 Less Than or Equal to 1100 MBH Gas Train
Drawn By: WBG
Parent Assembly: DF 4

Sheet: 3 of 5

Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles:

	BILL OF MATERIALS		ſ
ITEM NUMBER	Description	Quantity	
1	1-1/4" Quick Seal	1	
2	1-1/4" Male to 1" Female Reducer	1	
3	1" x 3-3/4" Nipple	1	l
4	1" 90° Elbow	4	(
5	1" x 2" Nipple	2	l
6	1" Union	3	I
7	1" x 1" x 1/4" Tee	2	1
8	1/4" Square Head Pipe Plug	1	١.
9	1" 8214250 Solenoid Valve	2	ŀ
10	Maxitrol 1-1/2" MR212D Modulating Valve	1	ļ
11	1" Manual Ball Valve	1	ľ
12	1" x 10" Nipple	1	
13	1" x 9" Nipple	1	l
14	1" x CLOSE (1-1/2") Nipple	10	
15	1" Female x 2" Male Adapter	1	
16	1-1/2" Male x 1" Female Reducer	2	
17	30" Dual Fuel Midco Burner	1	
18	1/4" Brass Elbow	1	
19	3/8" Male x 1/4" Female Reducer	2	
20	325-3x3/8 Pilot Gas Regulator	1	
21	3/8" Close Nipple (1-1/8")	1	
22	3/8" x 3-1/2" Nipple	1	
23	3/8" Manual Ball Valve	1	
24	1" x 1" x 3/8" Tee	1	
25	3/8" Tee	1	
26	0-35" w.c. or 0-5 psi or 0-15 psi Pressure Gauge (check spec)	1	
27	1/4" x 11" Nipple	1	
28	V4046C1021 Solenoid	1	
29	3/8" x 4" Nipple	1	
30	-5-15 w.c. Gas Pressure Gauge	1	

42026 3/8 U-Bolt, washer, and locknuts (2 Places) 5/16 Bolt, washer, and locknuts (2 Places) M1067H1M Bracket (2 Places) 5/16 x 3/4 Self Tapping Sheet Metal Screws (2 Places) Material: N/A Blank Size: N/A x N/A Part Number: N/A

Weight: N/A lbs

MACOLA/AX Number: N/A

Parent Assembly: DF 4

Drawn By: DDH

Sheet: 4 of 5

Drawing Name: DF 4 30 Less Than or Equal to 1100 MBH Gas Train

Gas Train w/Upstream Pilot

(3)

	Revision History			
#	Description	Revised by	ECN#	Date
)	Released to production	DAM		
ıŢ	Updated solenoid valve part	BFL	3067	8/22/2019
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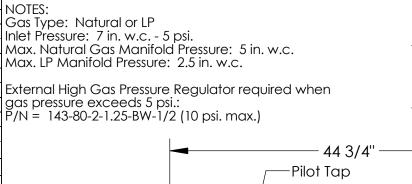
(11)

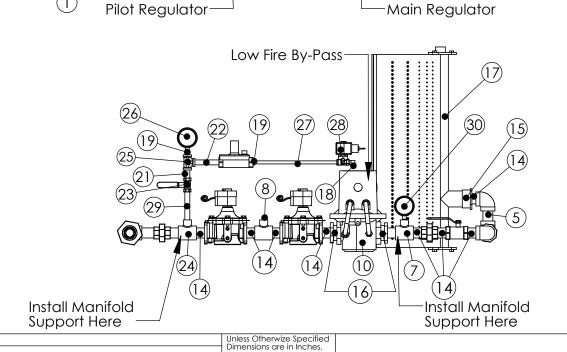
(13)

(6)

(12)

(4)





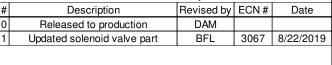
Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05

.XXX±.015 Angles: ±1°

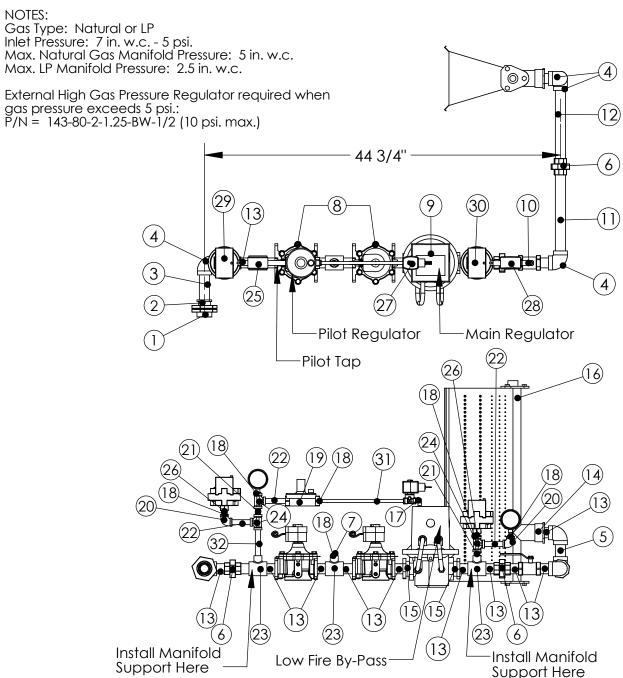
	BILL OF MATERIALS	
ITEM NUMBER	Description	Quantity
1	1-1/4" Quick Seal	1 .
2	1-1/4" Male to 1" Female Reducer	1
3	1" x 3-3/4" Nipple	1
4	1" 90° Elbow	4
5	1" x 2" Nipple	1
6	1" Union	3
7	1/4" Square Head Pipe Plug	1
8	1" 8214250 Solenoid Valve	2
9	Maxitrol 1-1/2" MR212D Modulating Valve	1
10	1" Manual Ball Valve	1
11	1" x 10" Nipple	1
12	1" x 9" Nipple	1
13	1" x CLOSE (1-1/2") Nipple	11
14	1" Female x 2" Male Adapter	1
15	1-1/2" Male x 1" Female Reducer	2
16	30" Dual Fuel Midco Burner	1
17	1/4" Brass Elbow	1
18	3/8" Male x 1/4" Female Reducer	6
19	325-3x3/8 Pilot Gas Regulator	1
20	3/8" 90° Elbow	2
21	3/8" x 1-1/8" Nipple	2
22	3/8" x 3" Nipple	3
23	1" x 1" x 3/8" Tee	3
24	3/8" Tee	3
25	0-35" w.c. or 0-5 psi or 0-15 psi Pressure Gauge (check spec)	1
26	1/4" x 7/8" Close Nipple	2
27	V4046C1021 Solenoid	1
28	-5-15 w.c. Gas Pressure Gauge	1
29	Optional GML-A4-4-4 Pressure Switch	1
30	Optional GMH-A4-4-4 Pressure Switch	1
31	1/4" x 11" Nipple	1
32	3/8" x 4" Nipple	1
AND THE REAL PROPERTY.	42026	·

42026 3/8 U-Bolt, washer, and locknuts (2 Places) 5/16 Bolt, washer, and locknuts (2 Places) M1067H1M Bracket (2 Places) -5/16 x 3/4 Self Tapping Sheet Metal Screws (2 Places) Material: N/A Part Nur

Gas Train Upstream Pilot #/ w/Pressure Switches



Revision History



BIGHK SIZE: IN/	A X N/A
Weight: N/A I	lbs
100	VEIDENTIAL

Part Number: N/A
MACOLA/AX Number: N/A
Drawing Name: DF 4 30 Less Than or Equal to 1100 MBH Gas Train
Drawn By: WBG
Parent Assembly: DF 4

Sheet: 5 of 5

Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°

Unless Otherwize Specified Dimensions are in Inches.