



CAPACITIES

JAG JET AIR GAS BURNER JAG BURNER CAPACITIES (STANDARD)

BURNER		BURNER STATIC INLET AIR PRESSURE							
		100 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		200 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
SVG_20C-JAG	Input Capacity (10³BTU/hr)	90	200	390	550	680	785	880	
	Excess Air (%)	1,000	2,000	3,500	5,000	5,000	5,000	4,500	
	Flame Length (in)	In Tube	In Tube	2	6	6	8	8	
SVG_25C-JAG	Input Capacity (10³BTU/hr)	100	300	535	725	875	1,000	1,120	
	Excess Air (%)	1,500	2,500	5,000	7,000	7,000	7,000	7,000	
	Flame Length (in)	In Tube	In Tube	6	6	6	12	16	
SVG_30C-JAG	Input Capacity (10³BTU/hr)	125	290	600	850	1,060	1,250	1,310	
	Excess Air (%)	4,500	5,000	5,000	7,000	7,000	7,500	7,500	
	Flame Length (in)	In Tube	In Tube	6	10	12	12	16	
SVG_40C-JAG	Input Capacity (10³BTU/hr)	230	560	1,050	1,440	1,810	2,075	2,300	
	Excess Air (%)	2,500	3,500	5,000	7,500	7,500	7,500	7,500	
	Flame Length (in)	6	12	12	16	18	18	24	
SVG_60C-JAG	Input Capacity (10³BTU/hr)	555	1,062	2,364	3,166	3,619	4,150	4,584	
	Excess Air (%)	2,500	2,500	3,500	3,500	4,000	4,000	4,000	
	Flame Length (in)	In Tube	In Tube	6	8	12	16	24	
SVG280C-JAG BURNER STATIC PRESSUR		0.11 OSIG	0.43 OSIG	2.9 OSIG	5.4 OSIG	9 OSIG	12 OSIG	15 OSIG	
SVG_80C-JAG	Input Capacity (10³BTU/hr)	800	1,618	4,180	5,700	7,374	8,515	9,520	
	Excess Air (%)	2,500	2,500	3,500	5,000	7,500	7,500	7,500	
	Flame Length (in)	12	24	24	30	36	36	42	

JAG BURNER CAPACITIES (METRIC)

BURNER		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
SVG20C-JAG	Input Capacity (kW)	24	53	103	145	180	207	232
	Excess Air (%)	1,000	2,000	3,500	5,000	5,000	5,000	4,500
	Flame Length (m)	In Tube	In Tube	0.05	0.15	0.15	0.20	0.20
SVG25C-JAG	Input Capacity (kW)	26	79	141	191	231	264	296
	Excess Air (%)	1,500	2,500	5,000	7,000	7,000	7,000	7,000
	Flame Length (m)	In Tube	In Tube	0.15	0.15	0.15	0.30	0.41
SVG30C-JAG	Input Capacity (kW)	33	76	158	224	280	330	346
	Excess Air (%)	4,500	5,000	5,000	7,000	7,000	7,500	7,500
	Flame Length (m)	In Tube	In Tube	0.15	0.25	0.30	0.30	0.41
SVG40C-JAG	Input Capacity (kW)	61	148	277	380	478	548	607
	Excess Air (%)	2,500	3,500	5,000	7,500	7,500	7,500	7,500
	Flame Length (m)	0.15	0.30	0.30	0.41	0.46	0.46	0.61
SVG60C-JAG	Input Capacity (kW)	147	280	624	836	955	1,096	1,210
	Excess Air (%)	2,500	2,500	3,500	3,500	4,000	4,000	4,000
	Flame Length (m)	In Tube	In Tube	0.15	0.20	0.30	0.41	0.61
BURNER		0.5 mbar	2 mbar	13 mbar	23 mbar	39 mbar	52 mbar	65 mbar
SVG80C-JAG	Input Capacity (kW)	211	427	1,104	1,505	1,947	2,248	2,513
	Excess Air (%)	2,500	2,500	3,500	5,000	7,500	7,500	7,500
	Flame Length (m)	0.30	0.61	0.61	0.76	0.91	0.91	1.07

NOTES:

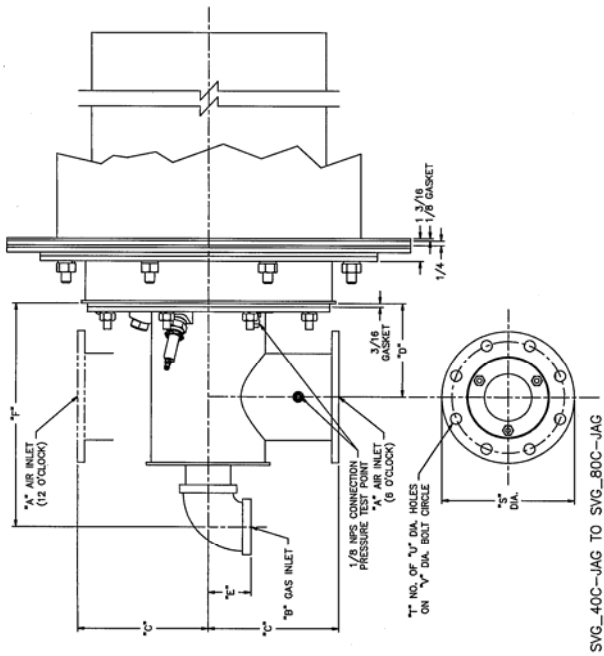
- Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
- Excess air based on 2V or higher, flame signal via a Honeywell 7800 series Burner Control
- Flame lengths measured from end of flame protection tube.

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

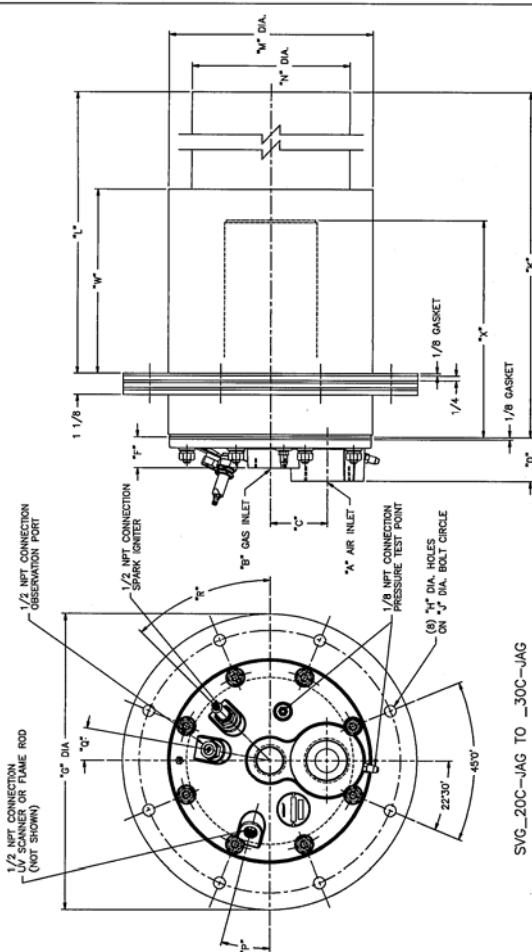


DIMENSIONS

JAG JET AIR GAS BURNER



SVG_40C-JAG TO SVG_80C-JAG



SVG_20C-JAG TO _30C-JAG

MODEL NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	APPROX. NET WT.
SVG_20C-JAG	2 NPT	1 1/4 NPT	3	2 5/16		15 1/2	32 1/4	13 3/4	13 3/4	38 1/4	29 3/8	10 3/4	8 11/32	15 0'	10 0'	45 0'				9 3/4	11	96 LB	
SVG_25C-JAG	2 1/2 NPT																					103 LB	
SVG_30C-JAG	3 NPT	1 1/2 NPT	3 9/16	2 3/8		17 3/4	38 1/4	18 1/4	18 1/4	44	40 3/8	13	10 3/32	22 30'	22 30'	22 30'					11 3/4	208 LB	
SVG_40C-JAG	4 RPM	2 NPS	6 7/8	4 15/16	2 1/4	11 7/8	47 3/4	19 1/4	19 1/4	47 3/4	44 3/8	16	12 3/8	45 0'	30 0'	22 30'	7		5 15/16	12 3/8	15 3/4	176 LB	
SVG_60C-JAG	6 RPM	2 1/2 NPS			2 11/16	15 9/16	50 1/4	27	27	50 1/4	46 3/4	25	18 3/8	-60 0'	-60 0'	15 0'	8	19/32	7 7/8	12 1/4	15 3/4	283 LB	
SVG_80C-JAG	8 RPM	3 NPT	9 1/4	6 7/16	3	15 13/16	50 1/2	30	30	50 1/2	46 3/4	28	20 3/4	22 30'	-37 30'	15 0'	11	5/8	10	12 1/4	15 3/4	335 LB	

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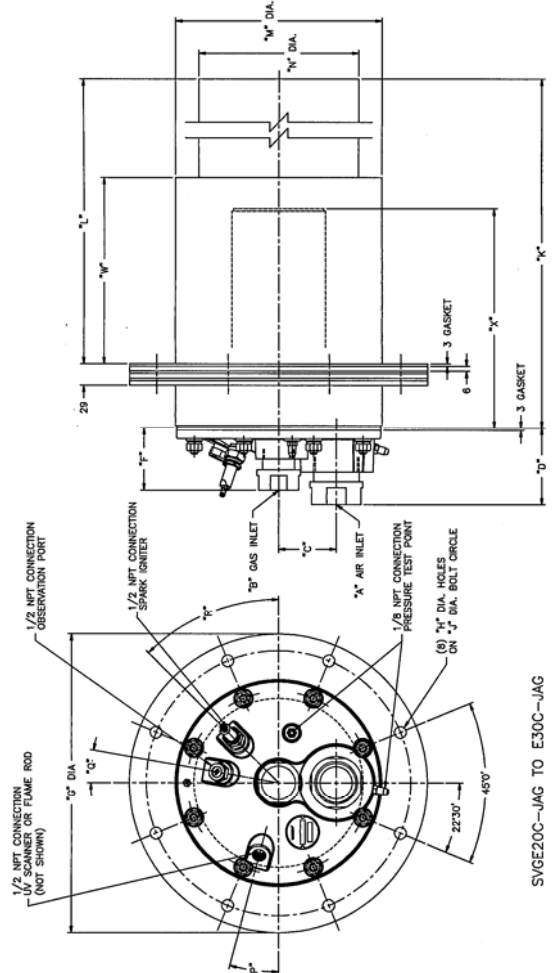
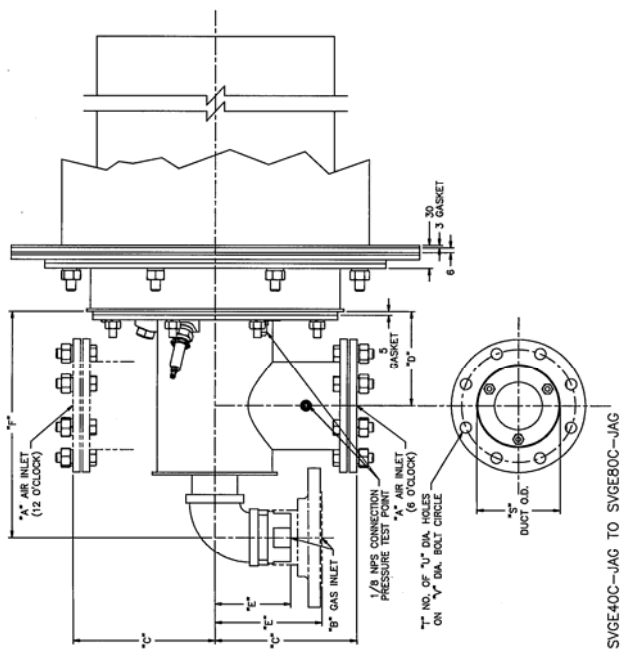
(See Reverse Side For Metric Dimensions)

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HAUCK MANUFACTURING CO., 100 North Harris Street Cleona, PA 17042 717-272-3051

METRIC DIMENSIONS

JAG JET AIR GAS BURNER



MODEL NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	APPROX. NET WT.
SVGE20C-JAG	2 RP		76	102		83	394		349	819	746	273	212	15' 0"	10' 0"	45' 0"					279	44 KG	
SVGE25C-JAG	2 1/2 RP	1 1/2 RP	90	197		451	413	16	413	972	899	330	217	0'	22' 30"					248	47 KG		
SVGE30C-JAG	3 RP		188	125	100	302	540		489	1118	1026	406	296	0'	22' 30"	22' 30"					298	95 KG	
SVGE40C-JAG	4 RPM	2 RP	248	164	152	395	737		686	1213	1127	406	314	45' 0"	30' 0"	22' 30"	114		151	314	400	80 KG	
SVGE60C-JAG	6 RPM	DIN 65			159	402	813	19	762	1276	1187	635	467	0'	-60' 0"	15' 0"	159	203	200	311		128 KG	
SVGE80C-JAG	8 RPM	DIN 80										712	527	22' 30"	-37' 30"	15' 0"	210	16	254			160 KG	

Y7921 METRIC
(NOT TO SCALE)

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SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG _20C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE							
		120 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		220 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)		90	200	390	550	680	785	880
Air Capacity (10% Excess Air)	(SCFH)		930	2,070	4,045	5,695	7,050	8,130	9,120
Air Orifice ΔP	120 Series (in.w.c.)		0.3	1.4	5.7	11.4	17.8	23.7	29.5
	220 Series (in.w.c.)		0.2	0.4	1.7	3.1	4.8	6.6	8.2
Gas Inlet Pressure	(in.w.c.)		0.1	0.2	1.0	1.9	2.3	2.7	3.7
Maximum Excess Air	(%)		1,000	2,000	3,500	5,000	5,000	5,000	4,500
Maximum Excess Fuel	(%)		+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)		In Tube	In Tube	2	6	6	8	8
Flame Diameter (10% Excess Air)	(in)		In Tube	In Tube	3	5	5	6	7
Maximum Ignition Gas	(SCFH)		100	225	425	625	775	900	1,000
Minimum Ignition Gas	(SCFH)		8	10	15	20	30	35	40

BURNER MODEL SVG E20C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
Input Capacity (10% Excess Air)	(kW)	24	53	103	145	180	207	232
Air Capacity (10% Excess Air)	(nm ³ /hr)	25	55	108	153	189	218	244
Air Orifice ΔP	(mbar)	0.50	1.0	4.2	7.7	11.9	16.4	20.4
Gas Inlet Pressure	(mbar)	0.25	0.5	2.5	4.7	5.7	6.7	9.2
Maximum Excess Air	(%)	1,000	2,000	3,500	5,000	5,000	5,000	4,500
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	In Tube	In Tube	0.051	0.152	0.152	0.203	0.203
Flame Diameter (10% Excess Air)	(m)	In Tube	In Tube	0.076	0.127	0.127	0.152	0.178
Maximum Ignition Gas	(nm ³ /hr)	2.7	6.0	11.4	16.7	20.8	24.1	26.8
Minimum Ignition Gas	(nm ³ /hr)	0.21	0.27	0.40	0.54	0.80	0.94	1.07

NOTES:

1. Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
2. Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
3. Flame detection available via UV scanner or flame rod.
4. Flame lengths measured from end of flame protection tube.

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SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG _25C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE							
		125 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		225 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)		100	300	535	725	875	1,000	1,120
Air Capacity (10% Excess Air)	(SCFH)		1,035	3,110	5,540	7,510	9,070	10,365	11,600
Air Orifice ΔP	125 Series (in.w.c.)		0.2	0.9	3.6	7.3	10.8	14.5	17.4
	225 Series (in.w.c.)		0.1	0.3	0.6	1.2	1.9	2.5	3.0
Gas Inlet Pressure	(in.w.c.)		0.1	0.6	2.7	5.5	8.6	11.4	13.7
Maximum Excess Air	(%)		1,500	2,500	5,000	7,000	7,000	7,000	7,000
Maximum Excess Fuel	(%)		+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)		In Tube	In Tube	6	6	6	12	16
Flame Diameter (10% Excess Air)	(in)		In Tube	In Tube	4	6	6	8	8
Maximum Ignition Gas	(SCFH)		125	275	650	900	1,000	1,200	1,250
Minimum Ignition Gas	(SCFH)		8	10	15	20	30	35	40

BURNER MODEL SVG E25C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
Input Capacity (10% Excess Air)	(kW)	26	79	141	191	231	264	296
Air Capacity (10% Excess Air)	(nm ³ /hr)	28	83	148	201	243	278	311
Air Orifice ΔP	(mbar)	0.25	0.7	1.5	3.0	4.7	6.2	7.5
Gas Inlet Pressure	(mbar)	0.25	1.5	6.7	13.7	21.4	28.4	34.1
Maximum Excess Air	(%)	1,500	2,500	5,000	7,000	7,000	7,000	7,000
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	In Tube	In Tube	0.152	0.152	0.152	0.305	0.406
Flame Diameter (10% Excess Air)	(m)	In Tube	In Tube	0.102	0.152	0.152	0.203	0.203
Maximum Ignition Gas	(nm ³ /hr)	3.3	7.4	17.4	24.1	26.8	32.1	33.5
Minimum Ignition Gas	(nm ³ /hr)	0.21	0.27	0.40	0.54	0.80	0.94	1.07

NOTES:

1. Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
2. Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
3. Flame detection available via UV scanner or flame rod.
4. Flame lengths measured from end of flame protection tube.

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SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG _30C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE							
		130 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		230 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)		125	290	600	850	1,060	1,250	1,310
Air Capacity (10% Excess Air)	(SCFH)		1,300	3,000	6,220	8,810	10,980	12,950	13,575
Air Orifice ΔP	130 Series (in.w.c.)		0.2	1.0	3.8	7.4	11.5	15.5	18.9
	230 Series (in.w.c.)		0.1	0.3	1.0	1.6	2.4	3.3	4.0
Gas Inlet Pressure	(in.w.c.)		0.1	0.7	2.2	5.6	8.0	10.6	12.2
Maximum Excess Air	(%)		4,500	5,000	5,000	7,000	7,000	7,500	7,500
Maximum Excess Fuel	(%)		+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)		In Tube	In Tube	6	10	12	12	16
Flame Diameter (10% Excess Air)	(in)		In Tube	In Tube	6	8	8	10	10
Maximum Ignition Gas	(SCFH)		130	300	700	900	1,000	1,200	1,250
Minimum Ignition Gas	(SCFH)		10	15	20	25	30	35	40

BURNER MODEL SVG E30C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
Input Capacity (10% Excess Air)	(kW)	33	76	158	224	280	330	346
Air Capacity (10% Excess Air)	(nm ³ /hr)	35	80	167	236	294	347	364
Air Orifice ΔP	(mbar)	0.25	0.7	2.5	4.0	6.0	8.2	10.0
Gas Inlet Pressure	(mbar)	0.25	1.7	5.5	13.9	19.9	26.4	30.4
Maximum Excess Air	(%)	4,500	5,000	5,000	7,000	7,000	7,500	7,500
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	In Tube	In Tube	0.152	0.254	0.305	0.305	0.406
Flame Diameter (10% Excess Air)	(m)	In Tube	In Tube	0.152	0.203	0.203	0.254	0.254
Maximum Ignition Gas	(nm ³ /hr)	3.5	8.0	18.8	24.1	26.8	32.1	33.5
Minimum Ignition Gas	(nm ³ /hr)	0.27	0.40	0.54	0.67	0.80	0.94	1.07

NOTES:

- Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
- Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
- Flame detection available via UV scanner or flame rod.
- Flame lengths measured from end of flame protection tube.

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SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG _40C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE							
		140 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		240 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)		230	560	1,050	1,440	1,810	2,075	2,300
Air Capacity (10% Excess Air)	(SCFH)		2,385	5,800	10,875	14,925	18,750	21,500	23,830
Air Orifice ΔP	140 Series (in.w.c.)		0.3	1.1	4.3	8.5	12.8	17.2	20.3
	240 Series (in.w.c.)		0.2	0.7	1.6	2.7	3.8	4.9	5.4
Gas Inlet Pressure	(in.w.c.)		0.2	0.6	2.2	4.5	6.7	8.8	10.7
Maximum Excess Air	(%)		2,500	3,500	5,000	7,500	7,500	7,500	7,500
Maximum Excess Fuel	(%)		+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)		6	12	12	16	18	18	24
Flame Diameter (10% Excess Air)	(in)		6	6	6	8	10	12	12
Maximum Ignition Gas	(SCFH)		300	700	1,900	2,000	2,250	2,500	2,750
Minimum Ignition Gas	(SCFH)		25	35	50	75	100	125	150

BURNER MODEL SVG E40C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
Input Capacity (10% Excess Air)	(kW)	61	148	277	380	478	548	607
Air Capacity (10% Excess Air)	(nm ³ /hr)	64	155	291	400	502	576	638
Air Orifice ΔP	(mbar)	0.50	1.7	4.0	6.7	9.5	12.2	13.4
Gas Inlet Pressure	(mbar)	0.50	1.5	5.5	11.2	16.7	21.9	26.6
Maximum Excess Air	(%)	2,500	3,500	5,000	7,500	7,500	7,500	7,500
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	0.1524	0.3048	0.305	0.406	0.457	0.457	0.610
Flame Diameter (10% Excess Air)	(m)	0.1524	0.1524	0.152	0.203	0.254	0.305	0.305
Maximum Ignition Gas	(nm ³ /hr)	8.0	18.8	50.9	53.6	60.3	67.0	73.7
Minimum Ignition Gas	(nm ³ /hr)	0.67	0.94	1.34	2.01	2.68	3.35	4.02

NOTES:

- Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
- Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
- Flame detection available via UV scanner or flame rod.
- Flame lengths measured from end of flame protection tube.

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SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG_60C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE							
		160 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
		260 Series	0.17 OSIG	0.5 OSIG	2 OSIG	4 OSIG	6 OSIG	8 OSIG	10 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)		555	1,062	2,364	3,166	3,619	4,150	4,584
Air Capacity (10% Excess Air)	(SCFH)		5,750	11,000	24,500	32,800	37,500	43,000	47,500
Air Orifice ΔP	160 Series (in.w.c.)		0.2	1.0	3.7	5.5	9.6	13.1	15.6
	260 Series (in.w.c.)		0.1	0.2	0.3	0.7	1.2	2.1	2.7
Gas Inlet Pressure	(in.w.c.)		0.1	0.6	2.7	5.0	7.7	9.1	11.0
Maximum Excess Air	(%)		2,500	2,500	3,500	3,500	4,000	4,000	4,000
Maximum Excess Fuel	(%)		+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)		In Tube	In Tube	6	8	12	16	24
Flame Diameter (10% Excess Air)	(in)		In Tube	In Tube	6	6	12	16	16
Maximum Ignition Gas	(SCFH)		625	1,250	2,750	3,750	4,500	5,000	5,500
Minimum Ignition Gas	(SCFH)		50	75	100	150	250	350	450

BURNER MODEL SVG E60C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.7 mbar	2 mbar	9 mbar	17 mbar	26 mbar	35 mbar	43 mbar
Input Capacity (10% Excess Air)	(kW)	147	280	624	836	955	1,096	1,210
Air Capacity (10% Excess Air)	(nm ³ /hr)	154	295	656	879	1,005	1,152	1,272
Air Orifice ΔP	(mbar)	0.25	0.5	0.7	1.7	3.0	5.2	6.7
Gas Inlet Pressure	(mbar)	0.25	1.5	6.7	12.4	19.2	22.6	27.4
Maximum Excess Air	(%)	2,500	2,500	3,500	3,500	4,000	4,000	4,000
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	In Tube	In Tube	0.152	0.203	0.305	0.406	0.610
Flame Diameter (10% Excess Air)	(m)	In Tube	In Tube	0.152	0.152	0.305	0.406	0.406
Maximum Ignition Gas	(nm ³ /hr)	16.7	33.5	73.7	100.5	120.5	133.9	147.3
Minimum Ignition Gas	(nm ³ /hr)	1.34	2.01	2.68	4.02	6.70	9.38	12.05

NOTES:

1. Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
2. Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
3. Flame detection available via UV scanner or flame rod.
4. Flame lengths measured from end of flame protection tube.

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.



SUPPLEMENTAL DATA

JAG JET AIR GAS BURNER BURNER MODEL SVG_80C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		180 Series	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG
280 Series		0.11 OSIG	0.43 OSIG	2.9 OSIG	5.4 OSIG	9 OSIG	12 OSIG	15 OSIG
Input Capacity (10% Excess Air)	(10 ³ BTU/hr)	800	1,618	4,180	5,700	7,374	8,515	9,520
Air Capacity (10% Excess Air)	(SCFH)	8,290	16,763	43,315	59,060	76,405	88,225	98,639
Air Orifice ΔP	160 Series (in.w.c.)	0.2	1.0	3.7	5.5	9.6	10.4	10.4
	260 Series (in.w.c.)	0.1	0.2	0.3	0.7	1.2	2.1	2.7
Gas Inlet Pressure	(in.w.c.)	0.1	0.6	2.7	5.0	7.7	9.1	11.0
Maximum Excess Air	(%)	2,500	2,500	3,500	5,000	7,500	7,500	7,500
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(in)	12	24	24	30	36	36	42
Flame Diameter (10% Excess Air)	(in)	12	12	16	16	20	20	20
Maximum Ignition Gas	(SCFH)	775	2,500	4,000	5,500	5,500	5,500	5,500
Minimum Ignition Gas	(SCFH)	75	125	250	325	550	700	800

BURNER MODEL SVG E80C-JAG NATURAL GAS OPERATION

BURNER SPECIFICATIONS		BURNER STATIC INLET AIR PRESSURE						
		0.5 mbar	2 mbar	13 mbar	23 mbar	39 mbar	52 mbar	65 mbar
Input Capacity (10% Excess Air)	(kW)	211	427	1,104	1,505	1,947	2,248	2,513
Air Capacity (10% Excess Air)	(nm ³ /hr)	222	449	1,160	1,582	2,047	2,363	2,642
Air Orifice ΔP	(mbar)	0.25	0.5	0.7	1.7	3.0	5.2	6.7
Gas Inlet Pressure	(mbar)	0.25	1.5	6.7	12.4	19.2	22.6	27.4
Maximum Excess Air	(%)	2,500	2,500	3,500	5,000	7,500	7,500	7,500
Maximum Excess Fuel	(%)	+30	+30	+30	+30	+30	+30	+30
Flame Length (10% Excess Air)	(m)	0.3048	0.6096	0.610	0.762	0.914	0.914	1.067
Flame Diameter (10% Excess Air)	(m)	0.3048	0.3048	0.406	0.406	0.508	0.508	0.508
Maximum Ignition Gas	(nm ³ /hr)	20.8	67.0	107.2	147.3	147.3	147.3	147.3
Minimum Ignition Gas	(nm ³ /hr)	2.01	3.35	6.70	8.71	14.73	18.75	21.43

NOTES:

- Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 36.74 MJ/nm³ (Metric), 0.59 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
- Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
- Flame detection available via UV scanner or flame rod.
- Flame lengths measured from end of flame protection tube.

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