





# Aperflux 851

Pressure Regulators

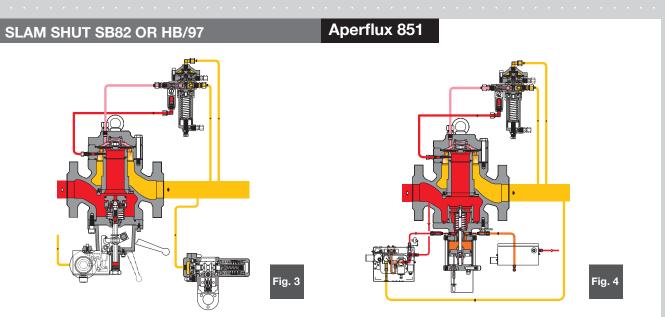
Pressure Regulators				
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Aperflux 851				
	olled pressure regulator for medium iled open regulator that will open un			
- breakage of main diaphrag	m;	0		
<ul> <li>- lack of pressure feeding to</li> <li>This regulator is suitable for u</li> </ul>	the pilot loop. use with previously filtered, non-cori	osive gases.	· · · · · · · · · · · · · · · · · · ·	
Modular Design				
Would Design				
. The modular design of Aper	flux 851 pressure regulators allows	retrofitting of an emergency i	monitor PM/819_slam	
shut valve and or silencer on	the same body.			
	s truly a "top entry design" which a c balancing system ensures an out			
accurate outlet pressure con				
	<b>4</b> .			
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	•		<b>-</b>	
	Fig. 1			
			Fig. 2	
Aperflux 851		flux 851 + DB		
Low Noise				
· · · · · · · · · · · · · · · ·				
Aperflux 851 is equipped, in s	standard configuration, with a doubl	e cage system. The first cage i	s designed to optimize	
	ting the base for the outstanding &	-	-	
is designed to reduce noise silencer.	e emissions, resulting in lower noise	e than similar products equipp	bed with an additional	
	on the additional silencer DB is alwa	ys available.		
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DESIGNED	- COMPACT DESIGN	- OUTSTANDING TURN	DOWN RATIO	· · ·
WITH YOUR	- EASY MAINTENANCE	- HIGH ACCURACY		
NEEDS IN MIND	- TOP ENTRY	- LOW OPERATION CO	and the second	
	- LOW NOISE	- EXTREME FLEXIBILIT	Y	



### SILENCER DB/851

### Aperflux 851

With decibel noise limitations and problems becoming an increasing safety concern, the DB silencer option is a unique feature that reduces regulator noise. When the DB silencer is used, it allows you to considerably reduce the noise level (dBa) up to 30 dBa, depending upon the application. The Aperflux 851 pressure regulator can be supplied with an incorporated silencer in either the standard version or version with incorporated slam-shut or incorporated monitor regulator. With the built-in silencer, the Cg and KG valve coefficients are 5% lower than the corresponding version without the silencer. With this modular feature of the regulator, the silencer may be retrofitted to both standard Aperflux 851 version as well as those with incorporated slam-shut or monitor, without any need for piping modification. Pressure reduction and control operate in the same manner as the standard version.



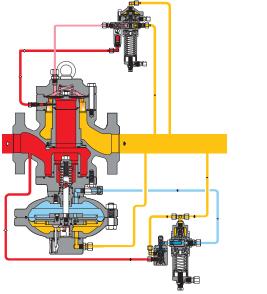
The Aperflux 851 pressure regulator offers the possibility of installing an incorporated slam shut valve SB/82 or HB/97 valve, depending on the regulator size. This can be done either during the manufacturing process or be retrofitted in the field. Retrofitting can be done without modifying the pressure regulator assembly.

The Cg and KG coefficients of a regulator plus an incorporated slam-shut system are 5% lower than those for standard versions.

The main characteristics of the slam shut are:

- intervention for over pressure and/or under pressure
- manual re-setting with internal bypass activated by the lever mechanism;
- manual push button control;
- compact dimensions;
- easy maintenance;
- optional pneumatic or electromagnetic remote control;
- optional installation remote signal devices (contact switches or proximity switches).

# MONITOR PM/819 Aperflux 851



This emergency regulator (monitor) is directly mounted onto the body of the main regulator. Both pressure regulators, therefore, use the same valve body, although they have independent actuators, pilots and valve seats.

Fig. <u>5</u>

The operational characteristics of the PM/819 monitor are the same as for the Reflux 819 regulator (refer to specific catalog).

The Cg and KG coefficients of a regulator having an incorporated monitor are 5% lower than those for the standard version. Another great advantage offered by the incorporated monitor regulator is that it can be installed at any time, even on an existing regulator, without piping modification. This solution allows the construction of regulator stations with compact dimensions.

### MAIN FEATURES

### Aperflux 851

- > Design pressure: up to 1450 PSIG (100 bar)
- > Design temperature: +14 to + 140 °F (-10°C to + 60°C) (+ 4 to + 140°F -20°C to + 60°C on request)
- > Ambient temperature: +14 to + 140°F (-10°C to + 60°C) (+ 4 to + 140°F -20°C to + 60°C on request)
  > Range of inlet pressure bpe: 18.8 to 1230 PSIG (1.3 to 85 bar)
- > Range of outlet pressure Wh: 12 to 1073 PSIG (0.8 to 74 bar) depending on installed pilot
- > Minimum working differential pressure: 7,25 PSIG (0.5 bar) Recommended > 30 PSIG (2 bar)
- > Accuracy class AC: up to 1%
- > Closing pressure class SG: from 5% to 1,5% depending on outlet pressure
- > Available size DN: 1" -2" -3" -4" -6" -8" -10"
- > Flanging: class 150-300-600 RF or RTJ according to ANSI B16.5 and PN16 according to ISO 7005.



### MATERIALS

### Aperflux 851

Body	Cast steel ASTM A352 LCC for classes 300 and 600 ASTM A216 WCB for classes 150 and PN16
Head covers	Rolled or forged carbon steel
Diaphgram	Vulcanized rubber
Valve seat	Stainless steel for DN $\leq$ 3" Carbon Steel with seal edge in stainless steel for size $\geq$ 4"
Seals	Nitril rubber
<b>Compression fittings</b>	According to DIN 2353 in zinc-plated carbon steel

The characteristics listed above are referred to as standard products. Special characteristics and materials for specific applications may be supplied upon request.

### Cg, KG and K1 coefficient

### Aperflux 851

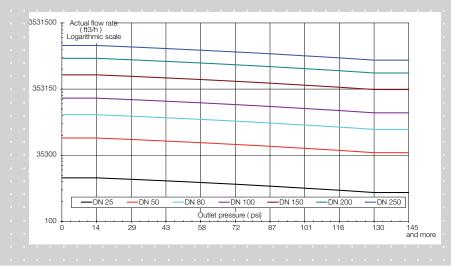
Nominal diameter (mm)	25	50	80	100*	150*	200*	250*	
Size (inches)	1"	2"	3"	4"	6"	8"	10"	
Cg flow coefficient	480	1,550	3,790	5,554	11,112	17,316	24, 548	
K <sub>G</sub> flow coefficient	505	1,627	3,979	5,837	11,678	18,199	25,850	
K1 body shape factor	113.9	113.9	113.9	113.9	113.9	113.9	113.9	

\*Value with incorporated flow conditioner

For sizing formula refer to www.fiorentini.com/sizing

### **CAUTION:**

The graph gives a quick reference of maximum recommended regulator capacity depending on selected size. Values are expressed in actual SCFH of Natural gas (s.g. 0,6): to have the data directly in SCFH it is necessary to multiply the value by the outlet pressure value in PSI – absolute.



### PILOTS

### Aperflux 851

Aperflux 851 regulators are equipped with series 300 pilot as listed below:

- 302/. control range Wh: 11.6 to 137.7 PSIG; (0.8 to 9.5 bar)
- 304/. control range Wh: 101.5 to 623.5 PSIG; (7 to 43 bar)
- 305/. control range Wh: 290 to 870.2 PSIG; (20 to 60 bar)
- 307/. control range Wh: 594.6 to 1073.3 PSIG; (41 to 74 bar)

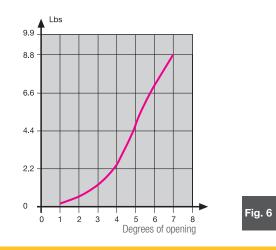
Pilots may be adjusted manually or remotely.

Pilot adjustments	Aperflux 851
Pilot type/A	Manual setting
Pilot type/D	Electric remote setting control
Pilot type/CS	Pneumatic remote setting control
F.I.O.	Smart unit for remote setting, monitoring flow limitation

The pilot system comes complete with an adjustable **AR100** restrictor. The flow rate of the pilot system is controlled by the bleed rate through the **AR100** restrictor.

The KG coefficients of the AR100 adjustable restrictor are shown for its various degrees of opening. KG formula used for calculating the flow rate of regulator can be applied for adjustable restrictor **AR100**.

It is necessary to consider that the pressure drop through the adjustable **AR100** restrictor should be about 2.9 PSIG (0.2) bar at the minimum opening flow of the regulator and about 14.5 PSIG (1 bar) at the maximum opening flow of regulator main diaphragm.





## SLAM SHUT SWITCH SELECTION DEVICE Aperflux 851

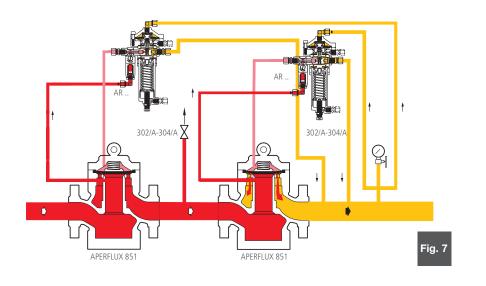
IOD. SB	MIN.	MAX
01M	0.14* - 3.77*	0.29 - 14.5*
02M	0.58 - 40.61	2.9 - 79.77
02MH	40.61 - 79.77	2.9 - 79.77
03M	2.9 - 116.03	29 - 319.02
03MH	116.03 - 275.57	29 - 319.02
04M	23.2 - 261.06	108.77 - 652.66
04MH	261.06 - 594.65	108.77 - 652.66
05M	43.51 - 638.16	435.11 - 1,305.33
05MH	638.16 - 1,305.33	435.11 - 1,305.33
NOD. HB	MIN.	MAX
03	5.8 - 98.62	1.3 - 159.54
04	14.64 - 290.94	145.03 - 456.86
05	36.25 - 725.18	362.59 - 1,102.28
05/92	652.66 - 1,087.78	841.21 - 1,232.82

values in PSIG

### **IN-LINE MONITOR**

Aperflux 851

The monitor is generally installed upstream of the main regulator. Although the function of the monitor regulator is different, the two regulators are virtually identical from the point of view of their mechanical components. The only difference is that the monitor is set at a higher pressure than the main regulator. The Cg and KG coefficients of the regulator plus in-line monitor system are about 20% lower than those of the regulator alone.



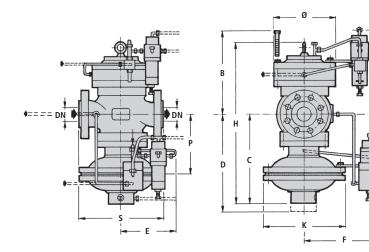
| sales@mvandc.com | Phone: 877.566.3837 | Fax: 925.407.2903

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						₩		<u> </u>	+		
	<b>Overall dimensions</b>	in inches				S	-	<b>_</b>			
	Inches	1"	2"	3"	4"	6"	8"	10"			
								26.5			
	S - ANSI 150/PN 16	7.25	10	11.75	13.88	17.75	21.38				
· · · ·	S - ANSI 300	7.75	10.5	12.5	14.5	18.62	22.38	27.88		_ 1	1.1
· · ·	S - ANSI 600	8.25	11.25	13.25	15.5	20	24	29.62		1.1	
	Ø	4.92	6.29	9.64	11.41	15.15	19.29	24.21			
		7.87			13.38	16.53		22.83			
	Α		9.05	11.81			17.91				
· · ·	В	9.05	10.23	13.38	14.96	18.5	20.07	20.47		_ `	
	С	3.93	5.11	5.9	7.48	9.44	10.43	13.38		1.1	
	D	5.11	6.29	7.87	9.84	11.81	12.59	17.32			•
	E	5.51	5.7		8.26			14.56		1.1	
				7.48		10.23	12.4			÷.,	
	F	6.29	6.88	8.66	9.44	11.41	13.58	16.33		_	
	G	10.23	11	13.77	14.96	11.71	12.29	14.96		1.1	
	Н	11.81	14.17	17.71	20.86	25.98	28.34	36.22			
	Tubing Connections				1/4" NPT		2010 1			1.1	
	Tubing Connections				1/4 INF 1						
	Face to face dimensions	S according to	ANSI JEC 53	4-3 and EN 2	334						
		o dooording to	, a toi, ieo oo								
	Weights in Lbs										
			77 4	1075	050.5	540	700 5	4 5 4 0 0			1.1
	S - ANSI 150/PN 16	44	77.1	167.5	253.5	518	738.5	1,543.2			
	S - ANSI 300	46.2	79.3	180.7	282.1	566.5	870.8	1,653.4			
erflu	S - ANSI 300 S - ANSI 600 J <b>x 851+ SB82 / +</b>	48.5	79.3 83.7	180.7 187.3 Aperflu	282.1 304.2	566.5	870.8 959 	1,653.4 1,873.9			· ·
erflı	S - ANSI 600	48.5		187.3	282.1 304.2			1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2		959 · · · · ·	1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2		959 · · · · ·	1,873.9	· · · · ·		
erflu	S - ANSI 600	48.5		187.3	282.1 304.2		959 · · · · ·	1,873.9	· · · · · · · · · · · · · · · · · · ·		
erflu	S - ANSI 600	48.5		187.3	282.1 304.2	639.3	959 · · · · ·	1,873.9	· · · · · · · · · · · · · · · · · · ·		
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>		959 · · · · ·	1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>	639.3	959 · · · · ·	1,873.9	E E		· ·
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>			1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>	639.3		1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>			1,873.9			
erflu	S - ANSI 600	48.5		187.3	282.1 304.2 <b>x 851</b>	639.3		1,873.9			
erflu	S-ANSI 600	48.5 HB97		187.3	282.1 304.2 <b>x 851</b>	639.3		1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / +	48.5 HB97	83.7	187.3	282.1 304.2 <b>x 851</b>			1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches	48.5 HB97	83.7	187.3	282.1 304.2 <b>x 851</b>		959	1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16	48.5 <b>HB97</b> 	83.7	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3	959    	1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches	48.5 <b>HB97</b> 	83.7	187.3 Aperflu	282.1 304.2 <b>x 851</b>		959	1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300	48.5 HB97 in inches 1" 7.25 7.75 1	83.7 83.7 2" 3 10 11 0.5 12	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3	959 	1,873.9			
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	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø	48.5 HB97 	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3	959 959 959 959 959 959 959 959 959 959	1,873.9			
	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1 4.92 6 7.87 9	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0 0.5 11	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3	959 959 959 959 959 959 959 959 959 959	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>			
erflu	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1 4.92 6 7.87 9	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3	959 959 959 959 959 959 959 959 959 959	1,873.9			
erflu	S - ANSI 600 JX 851+ SB82 / + 	48.5 HB97 	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0 0.5 11 0.5 11 0.5 12	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3 639.3 6 6 7 17.75 18.62 20 15.15 16.53 18.50	959 959 959 95 95 95 95 95 95 95 95 95 9	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47	31.33*		
erflu	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 29 9.0 0.5 11 0.23 13 .44 10	187.3 Aperflu	282.1 304.2 <b>x 851</b>	639.3 639.3 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.35	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b>			
	S - ANSI 600 JX 851+ SB82 / + 	48.5 HB97 	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0 0.5 11 0.23 13 .44 10 16	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>0</b> <b>0</b> <b>0</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>	639.3 639.3 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.38 23.62 32.87	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71 26.18	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b>	41.73*		
	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5	83.7 83.7 83.7 83.7 8 8 8 8 8 8 8 8 9 8 9 8 9 8 9 8 9 9 9 8 9 9 9 9 8 9 9 9 9 9 8 9	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x 851</b> <b>x 851</b>	639.3 639.3 <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71 20.07 9 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 35.43 17.51* 14.56			
erflu	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5	83.7 83.7 2" 3 10 11 0.5 12 1.25 13 .29 9.0 0.5 11 0.23 13 .44 10 16	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x 851</b> <b>x 851</b>	639.3 639.3 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.38 23.62 32.87	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71 26.18	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>C</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b> <b>D</b>	41.73*		
	S - ANSI 600 J.x 851+ SB82 / + 	48.5 <b>HB97</b> <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5 6.29 6	83.7 84.1 10.1 11.1 10.5 11.2 13.2 13.2 13.2 13.2 14.1 15.5 16.5 16.5 16.5 16.5 17.2	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x 851</b> <b>x 851</b> <b>x 851</b>	639.3 639.3 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.33 23.62 32.87 10.23 16.14 11.41	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71 20.07 9 17.71 20.07 9 17.71 20.07 9 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 35.43 17.51* 14.56 16.33	41.73*		
	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 2.59 12 5.51 5 6.29 6 10.23 1	83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 84.1 102 13 13 13 14 102 13 13 13 13 13 14 102 13 13 13 13 13 13 13 13 14 102 13 13 13 13 14 102 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>• • • • • •</b> • • • • • • • • • • • • • •	639.3 639.3 <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 14.56 16.33 14.96	41.73*		
	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 2.59 12 5.51 5 6.29 6 10.23 1	83.7 84.1 10.1 11.1 10.5 11.2 13.2 13.2 13.2 13.2 14.1 15.5 16.5 16.5 16.5 16.5 17.2	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x 851</b>	639.3 639.3 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.33 23.62 32.87 10.23 16.14 11.41	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 9 17.71 20.07 9 17.71 20.07 9 17.71 20.07 9 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 35.43 17.51* 14.56 16.33	41.73*		
erflu	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 2.59 12 5.51 5 6.29 6 10.23 1	83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 84.1 102 13 13 13 14 102 13 13 13 13 13 14 102 13 13 13 13 13 13 13 13 14 102 13 13 13 13 14 102 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>• • • • • •</b> • • • • • • • • • • • • • •	639.3 639.3 <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 14.56 16.33 14.96	41.73*		
	S - ANSI 600 JX 851+ SB82 / + 	48.5 <b>HB97</b> <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 2.59 12 5.51 5 6.29 6 10.23 1	83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 84.1 102 13 13 13 14 102 13 13 13 13 13 14 102 13 13 13 13 13 13 13 13 14 102 13 13 13 13 13 13 14 15 15 15 15 15 15 15 15 15 15	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x 851</b>	639.3 639.3 <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 8 8 21.38 22.38 24 19.29 17.91 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07 2* 17.71 20.07	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 14.56 16.33 14.96	41.73*		
	S - ANSI 600 JX 851+ SB82 / +	48.5 HB97 HB97 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	83.7         83.7         10         11         0.5         125         13         .29         .05         .11         .23         .31         .44         10         .44         10         .44         .23         .38         .44         .21         .38         .35         .22	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	639.3 <b>B</b> <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 95 95 95 95	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	41.73* 20.07*		
	S - ANSI 600 JX 851+ SB82 / + 	48.5 HB97 HB97 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	83.7         83.7         10         11         0.5         125         13         .29         .05         .11         .23         .31         .44         10         .44         10         .44         .23         .38         .44         .21         .38         .35         .22	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	639.3 <b>B</b> <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 95 95 95 95	1,873.9 G G 10" 26.5 27.88 29.62 24.21 22.83 20.47 27.04* 26.77 35.43* 14.56 16.33 14.96	41.73* 20.07*		
	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D E F G H Tubing Connections * *Indicated Dimensions w	48.5 HB97 HB97 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	83.7         83.7         10         11         0.5         125         13         .29         .05         .11         .23         .31         .44         10         .44         10         .44         .23         .38         .44         .21         .38         .35         .22	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	639.3 <b>B</b> <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 95 95 95 95	1,873.9 <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	41.73* 20.07*		
	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D E F G H Tubing Connections *Indicated Dimensions w Weights in Lbs	48.5 <b>HB97</b> <b>in inches</b> 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5 6.29 6 10.23 11 16.33 1	83.7 83.7	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x</b> 851 <b>x</b>	639.3 <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 959	1,873.9 6 7 7 7 7 7 7 7 7 7 7 7 7 7	41.73* 20.07* EN 334		
	S - ANSI 600 IX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 300 Ø A B C D E F G H Tubing Connections *Indicated Dimensions w Weights in Lbs S - ANSI 150/PN 16	48.5 HB97 HB97 in inches 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5 6.29 6 10.23 11 16.33 1 1 16.33 1 1 16.33 1 1 1 1 1 1 1 1 1 1 1 1 1	83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         83.7         8.7         8.7         8.5         9.7         189.	187.3 <b>Aperflu</b> 7 7 7 7 7 7 7 7 7 7 7 7 7	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x</b> 851 <b>x</b>	639.3 <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 959	1,873.9 6 7 7 7 7 7 7 7 7 7 7 7 7 7	41.73* 20.07* EN 334		
	S - ANSI 600 JX 851+ SB82 / + Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D E F G H Tubing Connections *Indicated Dimensions w Weights in Lbs	48.5 HB97 HB97 in inches 1" 7.25 7.75 1 8.25 1" 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 6 6 29 6 10.23 11 16.33 1 1 6 79 9.05 10 8.46 9 12.59 14 5.51 5 6 29 6 10 25 11 4.92 10 10 10 10 10 10 10 10 10 10	83.7 83.7	187.3 Aperflu	282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x</b> 851 <b>x</b>	639.3 <b>B</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	959 959 959 959 959 959 959 959	1,873.9 6 7 7 7 7 7 7 7 7 7 7 7 7 7	41.73* 20.07* EN 334		

### Aperflux 851 + PM819

Aperflux 851





Overall dimensions in inche	es						
Inches	1"	2"	3"	4"	6"	8"	10"
S - ANSI 150/PN 16	7.25	10	11.75	13.88	17.75	21.38	26.5
S - ANSI 300	7.75	10.5	12.5	14.5	18.62	22.38	27.88
S - ANSI 600	8.25	11.25	13.25	15.5	20	24	29.62
Ø	4.92	6.29	9.64	11.41	15.51	19.29	24.21
В	9.05	10.23	13.38	14.96	18.5	20.07	20.47
С	12.59	13.77	16.92	19.29	25.59	29.52	26.77
D	16.14	16.92	20.86	23.62	28.93	33.46	35.43
E	14.56	14.56	16.14	16.14	19.09	19.09	14.56
F	10.62	10.62	12.2	12.2	15.15	15.15	16.33
G	10.23	11.02	13.77	14.96	17.71	19.29	14.96
н	20.47	22.83	28.74	32.67	42.12	47.44	54.33
K	10.94	10.94	14.17	14.17	20.07	20.07	24.01
Р	6.69	7.87	10.23	11.41	12.59	14.56	19.68
Tubing Connections				1/4" NPT			

Face to face dimensions S according to ANSI, IEC 534-3 and EN 334

### Weights in Lbs S - ANSI 150/PN 16 72.7 149.9 297.6 352.7 815.7 1,157.4 2,425 2,535.3 S - ANSI 300 74.9 154.3 304.2 363.7 859.8 1,289.7 S - ANSI 600 77.1 158.7 326.2 418.8 925.9 1,377.8 2,755.7

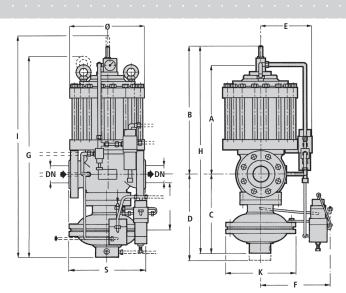


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Overall dimension					j			
Inches	1"	2"	3"	4"	6"	8"	10"	
S - ANSI 150/PN 16	7.25	10	11.75	13.88	17.75	21.38	26.5	
S - ANSI 300	7.75	10.5	12.5	14.5	18.62	22.38	27.88	
S - ANSI 600	8.25	11.25	13.25	15.5	20	24	29.62	
Ø	8.66	11.81	12.99	15.35	18.89	25.39	29.13	
A	13.97	16.53	19.68	22.44	28.14	12.2	40.35	
В	18.3	20.86	24.6	27.36	33.46	41.14	42.71	
С	3.93	5.11	5.9	7.48	9.44	10.43	13.38	
D	5.11	6.29	7.87	9.84	11.81	12.59	17.32	
E	6.37	7.71	8.5	9.48	9.21	9.33	10.31	
F	7.55	8.89	9.68	10.66	10.39	10.51	11.49	
G	14.56	17.32	20.66	23.42	29.33	37.4	54.96	
Н	17.91	21.65	25.59	29.92	38.58	46.25	47.83	
L	22.04	26.49	31.18	35.31	42.55	52.44	54.01	
Tubing Connections				1/4" NPT				
Face to face dimension	is 5 according to AN	51, IEC 054-0		34				
Weights in Lbs								
S - ANSI 150/PN 16	103.6	220,4	370.3	529.1	862	1,675.5	2,733.7	
3 - ANSI 130/PN 10	100.0	220.4	010.0	020.1	002	,		
and the second	108	224.8	300 3	500.8	954.6	1 838 6	28/83	
S-ANSI 300 S-ANSI 600 Derflux 851+DB/851+	108 110.2 -SB82 /+HB97	224.8 229.2 Aperf	390.2 396.8	590.8 612.8	954.6	1,838.6 1,926.8	2,848.3 3,068.8	
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8	612.8				
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8	612.8	1,027.3	1,926.8		
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8 <b>lux 85</b>	612.8	1,027.3	1,926.8		
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8 <b>lux 85</b>	612.8	1,027.3	1,926.8		
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8 <b>lux 85</b>	612.8	1,027.3			
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8 <b>lux 85</b>	612.8	1,027.3	1,926.8		
S - ANSI 300 S - ANSI 600	110.2	229.2	396.8 <b>lux 85</b>	612.8	1,027.3			
S - ANSI 300 S - ANSI 600	110.2 -SB82 /+HB97	229.2	396.8 <b>lux 85</b>	612.8	1,027.3			
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851-	110.2 -SB82 /+HB97	229.2	396.8 Iux 85 <sup>-</sup>	612.8	1,027.3			
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851-	110.2 -SB82 /+HB97 s in inches 1" 2"	229.2 Aperf	396.8 ilux 85 <sup>-</sup>	612.8	1,027.3	1,926.8 		
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16	110.2 -SB82 /+HB97 s in inches 1" 2" 7.25 10	229.2 Aperf	396.8 <b>Iux 85</b>	612.8	1,027.3	1,926.8       		
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300	110.2 -SB82 /+HB97 s in inches 1" 2" 7.25 10 7.75 10.5	229.2 Aperf	396.8 <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b> <b>Iux 85</b>	612.8	1,027.3	1,926.8       	3,068.8	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	110.2 -SB82 /+HB97 s in inches 1" 2" 7.25 10 7.75 10.5 8.25 11.25	229.2 Aperf	396.8 ilux 85 ilux 85 4" 13.88 14.5 15.5	612.8	1,027.3	1,926.8       	3,068.8	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø	110.2 -SB82 /+HB97 	229.2 Aperf	396.8 <b>Iux 85</b> <b>iux 10</b> <b>iux 10</b> <b>iu 10</b> <b>i</b>	612.8	1,027.3	1,926.8       	3,068.8	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf	396.8 <b>Iux 85</b> <b>iux 10</b> <b>iux 10</b> <b>iu 10</b> <b>i</b>	612.8	1,027.3	1,926.8       	3,068.8	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B	110.2 -SB82 /+HB97 	229.2 Aperf	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8	1,027.3	1,926.8       	3,068.8	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf	396.8 <b>Iux 85</b> <b>iux 10</b> <b>iux 10</b> <b>iu 10</b> <b>i</b>	612.8 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	1,027.3 6" 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39*	1,926.8 	3,068.8 , , , , , , , , , , , , , , , , , , ,	
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	1,027.3 6 6 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87*	1,926.8 	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 300 Ø A B C D E	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 9 19.68 24.6 10.62 9.68	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 DN + C - S DN + C - S 20.39* 25.59* 14.09*	1,027.3 6" 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14*	1,926.8 	3,068.8 3,0	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 300 Ø A B C D E F	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 9 19.68 24.6 10.62 9 68 24.6 10.62 9 68 25.39	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 1 1 1 1 1 1 1 1 1 1 1 1 1	1,027.3 , , , , , , , , , , , , , , , , , , ,	1,926.8 	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C C D E F G	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,027.3 6 6 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89	1,926.8 	3,068.8 3,0	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D E F G H	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8	1,027.3 , , , , , , , , , , , , , , , , , , ,	1,926.8 	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C C D E F G	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,027.3 6 6 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89	1,926.8 	3,068.8 3,0	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851-	110.2 -SB82 /+HB97 -SB82 /+HB97 	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8	1,027.3 6 6 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89	1,926.8 	3,068.8 3,0	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851- Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 300 S - ANSI 600 Ø A B C D E F G H Tubing Connections	110.2 -SB82 /+HB97 -SB82 /+HB97 -SB82 /+HB97 -SB82 /+HB97 -SB82 	229.2 Aperf	396.8 <b>lux 85</b> <b>i</b> 4" 13.88 14.5 15.35 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1,	612.8	1,027.3 6 6 7 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89 47.87	1,926.8 , , , , , , , , , , , , , , , , , , ,	3,068.8 3,0	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851+ Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C C D E F G H Tubing Connections	110.2 -SB82 /+HB97 -SB82 /+HB97 -SB82 /+HB97 -SB82 /+HB97 -SB82 	229.2 Aperf	396.8 <b>lux 85</b> <b>i</b> 4" 13.88 14.5 15.35 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1,	612.8	1,027.3 6 6 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89	1,926.8 , , , , , , , , , , , , , , , , , , ,	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ Inches S - ANSI 150/PN 16 S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C C D E F G H Tubing Connections *Indicated Dimensions Weights in Lbs	110.2 •SB82 /+HB97 •S in inches 1" 2" 7.25 10 7.75 10.5 8.25 11.25 8.66 11.81 13.18 16.53 18.3 20.86 8.46 9.44 12.59 14.56 7.55 8.89 19.09 21.65 22.44 25.98 26.57 30.82 with MODEL HB/97	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 9 19.68 24.6 10.62 9.68 24.6 10.62 9.68 24.6 10.62 9.68 24.6 10.62 9.68 25.39 30.31 2.5,9 30.31 2.5,9 30.31 2.5,9 3.5,9 5.5,	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 DN + C - S 20.39* 25.59* 14.09* /4" NPT mensions S	1,027.3 6" 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89 47.87 S according to	1,926.8 , , , , , , , , , , , , , , , , , , ,	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ Inches S - ANSI 150/PN 16 S - ANSI 300 S	110.2 <b>SB82 /+HB97</b> <b>S in inches</b> 1" 2" 7.25 10 7.75 10.5 8.25 11.25 8.66 11.81 13.18 16.53 18.3 20.86 8.46 9.44 12.59 14.56 7.55 8.89 19.09 21.65 22.44 25.98 26.57 30.82 with MODEL HB/97 119	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 9 19.68 24.6 10.62 9 19.68 24.6 10.62 9 19.68 9 24.6 10.62 9 19.68 9 24.6 10.62 9 19.68 9 24.6 10.62 9 19.68 9 25.39 3 0.31 2 35.9 9 30.31 2 35.9	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 DN + C - S 20.39* 25.59* 14.09* /4" NPT mensions S 562.1	1,027.3 6" 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89 47.87 S according to 917.1	1,926.8 	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*
S - ANSI 300 S - ANSI 600 Derflux 851+DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ DB/851+ Inches S - ANSI 150/PN 16 S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C C D E F G H Tubing Connections *Indicated Dimensions Weights in Lbs	110.2 •SB82 /+HB97 •S in inches 1" 2" 7.25 10 7.75 10.5 8.25 11.25 8.66 11.81 13.18 16.53 18.3 20.86 8.46 9.44 12.59 14.56 7.55 8.89 19.09 21.65 22.44 25.98 26.57 30.82 with MODEL HB/97	229.2 Aperf Aperf 3" 11.75 12.5 13.25 12.99 9 19.68 24.6 10.62 9.68 24.6 10.62 9.68 24.6 10.62 9.68 24.6 10.62 9.68 25.39 30.31 2.5,9 30.31 2.5,9 30.31 2.5,9 3.5,9 5.5,	396.8 <b>Jux 85</b> <b>Jux 85</b>	612.8 DN + C - S 20.39* 25.59* 14.09* /4" NPT mensions S	1,027.3 6" 17.75 18.62 20 18.89 28.14 33.46 14.76 25.39* 23.62 32.87* 10.39 16.14* 34.64 43.89 47.87 S according to	1,926.8 , , , , , , , , , , , , , , , , , , ,	3,068.8 , , , , , , , , , , , , , , , , , , ,	3*

### Aperflux 851 + DB/851 + PM/819

Aperflux 851





Overall dimensions in in	iches						
Inches	1"	2"	3"	4"	6"	8"	10"
S - ANSI 150/PN 16	7.25	10	11.75	13.88	17.75	21.38	26.5
S - ANSI 300	7.75	10.5	12.5	14.5	18.62	22.38	27.88
S - ANSI 600	8.25	11.25	13.25	15.5	20	24	29.62
Ø	8.66	11.81	12.99	15.35	18.89	25.39	29.13
A	13.9	16.53	19.68	22.44	28.14	35.82	40.35
В	18.3	20.86	24.6	27.36	33.46	41.14	42.71
С	12.59	13.77	16.92	19.29	25.59	29.52	31.49
D	16.14	16.92	20.86	23.62	28.93	33.46	35.43
E	7.55	8.89	9.68	10.66	10.39	10.51	11.49
F	10.62	10.62	12.2	12.2	15.15	15.15	16.33
G	27.16	25.92	31.69	35.23	45.47	52.46	73.07
Н	26.96	29.52	35.62	39.17	49.6	60.23	60.82
1	35.62	38.18	46.65	50.98	65.74	79.33	78.93
Tubing Connections				1/4" NPT			

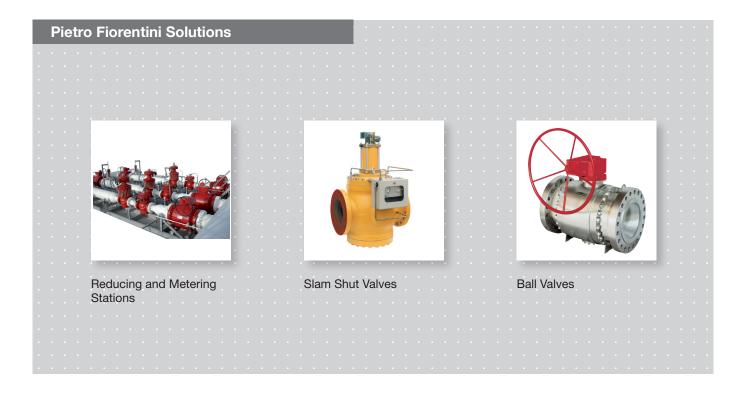
Tubing Connections

Face to face dimensions S according to ANSI, IEC 534-3 and EN 334

### Weights in Lbs

S - ANSI 150/PN 16	132.2	293.2	491.6	650.3	1,159.6	2,094.3	3,615.5
S - ANSI 300	136.6	297.6	511.4	716.5	1,252.2	2,257.5	3,730.2
S - ANSI 600	138.8	302	518	738.5	1,324.9	2,345.7	3,950.6







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