



# Aperflux 851 Pressure Regulators

Pressure Regulators			
Aperflux 851			
Aperflux 851 is a pilot-contro	lled pressure regulator for medium	and high pressure applications.	
Aperflux 851 is normally a fail	ed open regulator that will open ur	nder the following conditions:	
<ul> <li>breakage of main diaphragr</li> <li>lack of pressure feeding to t</li> </ul>	n; the pilot loop.		
This regulator is suitable for u	ise with previously filtered, non-cor	rosive gases.	
Modular Design			
inodului Decigii			
The meduler design of Aped		ratrafitting of an amarganou manitar D	M/010 clam i i i i
shut valve and or silencer on	the same body.	s retrolitung of an emergency monitor Pl	.vi/019, siaiti
The Aperflux 851 regulator is	s truly a "top entry design" which a	llows ease of maintenance and retrofittir	ng options in
the field. The unique dynamic	c balancing system ensures an out	tstanding turn-down ratio combined with	1 an extreme
	Fig. 1		
		F	ig. 2
Aperflux 851	Ape	rflux 851 + DB	
Low Noise			
<ul> <li>Aperilux 85 i is equipped, in s</li> <li>the opening / Cg ratio, creat</li> </ul>	ting the base for the outstanding	e cage system. The first cage is designed 500:1 turndown for this regulator. The s	second cage
is designed to reduce noise	emissions, resulting in lower nois	e than similar products equipped with a	an additional
. silencer.	n the additional silencer DR is alwa	ws available	
	- COMPACT DESIGN	- OUTSTANDING TURN DOWN I	KATIO
NEEDS IN MIND	- TOP ENTRY	- LOW OPERATION COST	
	- LOW NOISE	- EXTREME FLEXIBILITY	



#### 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.

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)

> Temperature: Pietro Fiorentini regulators are suitable for a minimum operating ambient temperature:

>-40°F to 140 °F with a Carbon Steel Body

If the following conditions are met:

- Inlet flowing gas temperature shall be always higher than -4 °F;
- Inlet flowing gas shall filtered, clean and without any liquid impurities;
- > 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
Compression fittings	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

MOD. SB	MIN.	MAX
101M	0.14* - 3.77*	0.29 - 14.5*
102M	0.58 - 40.61	2.9 - 79.77
102MH	40.61 - 79.77	2.9 - 79.77
103M	2.9 - 116.03	29 - 319.02
103MH	116.03 - 275.57	29 - 319.02
104M	23.2 - 261.06	108.77 - 652.66
104MH	261.06 - 594.65	108.77 - 652.66
105M	43.51 - 638.16	435.11 - 1,305.33
105MH	638.16 - 1,305.33	435.11 - 1,305.33
MOD. HB	MIN.	MAX
103	5.8 - 98.62	1.3 - 159.54
104	14.64 - 290.94	145.03 - 456.86
105	36.25 - 725.18	362.59 - 1,102.28
105/92	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.



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<b>Overall dimension</b>	is in inches				S				
Inches	1"	2"	3"	4"	6"	8"	1	0"	
S - ANSI 150/PN 16	7.25	10	11.75	13.88	17.75	21.38	26	6.5	
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	0.62	
Ø	4.92	6.29	9.64	11.41	15.15	19.29	24	.21	
A	7.87	9.05	11.81	13.38	16.53	17.91	22		
В	9.05	10.23	13.38	7.40	18.5	20.07	20	).47	
D	3.93 E 11	5.11	0.9	7.48	9.44	10.43	13	20	
F	5.11	5.7	7.48	9.04	10.23	12.09	1/	.52	
F	6.20	6.88	8.66	9.20	11 21	13.58	14	33	
G	10.23	11	13.77	14.96	11.71	12.29	14	.96	
Н	11.81	14.17	17.71	20.86	25.98	28.34	36	5.22	
Tubing Connections	11101			1/4" NPT	-	2010 1	00		
Face to face dimension	ns S according to	ANSI JEC 50	34-3 and EN 3	34					
	15 G decording to .	-1401, 120 30							
Weights in Lbs									
			1675	OFO F	610	738 5	1.5	43.2	
S - ANSI 150/PN 16	44	(7.1	107.5	203.0	010	100.0	7 -		
S - ANSI 150/PN 16 S - ANSI 300	44 46.2	77.1 79.3	180.7	203.0 282.1	566.5	870.8	1,6	53.4	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 • • • • • • • •	77.1 79.3 83.7	180.7 187.3 Aperflu	233.5 282.1 304.2 • • • •	566.5	870.8 959	1,6 1,8	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / ·	44 46.2 48.5 + HB97	77.1 79.3 83.7	167.3 180.7 187.3 Aperflu	233.5 282.1 304.2 <b>x 851</b>	566.5	870.8	1,6 1,8 1,8 	53.4 73.9	· · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97	77.1 79.3 83.7	167.3 180.7 187.3 Aperflu	200.5 282.1 304.2 • • • • • • • • •	516 566.5 639.3	870.8 959	1,63 1,8 F E	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97	77.1 79.3 83.7	107.3 180.7 187.3 Aperflu	200.5 282.1 304.2 • • • • • • • • • • •		870.8 959	1,63 1,8 F	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97	77.1 79.3 83.7	107.3 180.7 187.3 Aperflu	282.1 304.2 • • • • • • • • • • • • • • • • • • •	516 566.5 639.3	870.8 959	1,63 1,8 F	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	44 46.2 48.5 + HB97	77.1 79.3 83.7 	Aperflu	282.1 304.2 <b>x 8551</b>	566.5 639.3	870.8 959	1,6 1,8 F - G G G	53.4 73.9	· · · · · · · · · · · · · · · · · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	44 46.2 48.5 + HB97		Aperflu	282.1 304.2 <b>x 851</b>	566.5 639.3		1,6 1,8 • • • •	53.4 73.9    	· · · · · · · · · · · · · · · · · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	44 46.2 48.5 + HB97	· · · · · · · · · · · · · · · · · · ·	Aperflu	200.5 282.1 304.2 <b>x 8551</b>	566.5 639.3 B A B A		1,6 1,8 E - G G	53.4 73.9    	E
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	44 46.2 48.5 + HB97		Aperflu	283.5 282.1 304.2 <b>x 8551</b>	566.5 639.3 B A B A		1,6: 1,8 E - G G		
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	44 46.2 48.5 + HB97		Aperflu	283.5 282.1 304.2 <b>x 8551</b>	566.5 639.3 B A B A C C C C C C C C C C C C C C C C			53.4 73.9        	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97		Aperflu	283.5 282.1 304.2 <b>x 8551</b>	566.5 639.3		1,6 <sup>1</sup>	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97		Aperflu	283.5 282.1 304.2 <b>x 8551</b>	5166.5 639.3		1,61 1,8 F	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / -	44 46.2 48.5 + HB97 s in inches	· · · · · · · · · · · · · · · · · · ·	Aperflu	283.3 282.1 304.2 <b>x 8551</b>	5166.5 639.3		1,6 1,8 F	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97 s in inches 1" 2 7.25		Aperflu	283.3 282.1 304.2 <b>× 8551</b>	5166.5 639.3	870.8 959  959  959  959  959  8" 21.38	1,6: 1,8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 ux 851+ SB82 / -	44 46.2 48.5 + HB97 • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	Aperflu 3" 4" 175 13.88 2.5 14.5	203.5 282.1 304.2 • • • • • • • • • • • • • • • • • • •	5166.5 639.3 639.3 6 6 7 6 7 6 7 7 7.75 18.62	870.8 959 	1,6 1,8 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / -	44 46.2 48.5 + HB97 • • • • • • • • • • • • • • • • • • •	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li></li> <li><td>Aperflu 3" 4" 175 13.88 2.5 14.5 3.25 15.5</td><td>203.5 282.1 304.2 <b>× 8551</b></td><td>5166.5 639.3 639.3 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>870.8 959  959  959  959  959  959  959  959  959  959  870.8  959 </td><td>1,6 1,8 6 6 6</td><td>53.4 73.9</td><td></td></li></ul>	Aperflu 3" 4" 175 13.88 2.5 14.5 3.25 15.5	203.5 282.1 304.2 <b>× 8551</b>	5166.5 639.3 639.3 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	870.8 959  959  959  959  959  959  959  959  959  959  870.8  959 	1,6 1,8 6 6 6	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 + HB97 • • • • • • • • • • • • • • • • • • •	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li>83.7</li> <li>9</li> <li>9</li> </ul>	Aperflu Aperflu 3" 4" 175 13.88 2.5 14.5 3.25 15.5 .64 11.41	203.5 282.1 304.2 <b>× 8551</b>	5166.5 639.3 <b>B</b> A <b>B</b> A <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	870.8 959 	1,6 1,8 6 6 6 7 7	53.4 73.9            	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 + HB97 • • • • • • • • • • • • • • • • • • •	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li>9</li> <li>9</li> <li>0</li> <li>11</li> <li>0.5</li> <li>12</li> <li>29</li> <li>9</li> <li>05</li> <li>11</li> </ul>	Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	203.5 282.1 304.2 <b>× 8551</b>	5166.5 639.3 639.3 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	870.8 959  959  959  959  959  959  959  959  959  8" 21.38 22.38 24 19.29 17.91	1,6 1,8 6 6 6	53.4 73.9                	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 + HB97 • • • • • • • • • • • • • • • • • • •	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li>9</li> <li>9</li> <li>0</li> <li>11</li> <li>0.5</li> <li>12</li> <li>29</li> <li>9</li> <li>05</li> <li>13</li> <li>23</li> <li>13</li> </ul>	Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	203.5 282.1 304.2 <b>× 8551</b>	5166.5 639.3 639.3 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	870.8 959  959  870.8 959  870.8 959  870.8 959  870.8 959  870.8 870.8 870.8 870.8 870.8 870.8 870.8 959  870.8 959  870.8 970.8 870.8	1,6 1,8 6 6 7	53.4 73.9	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* HB97</b> <b>* 10</b> <b>* 10</b> <b></b>	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li>9</li> <li>9</li> <li>0</li> <li>11</li> <li>0.5</li> <li>12</li> <li>29</li> <li>9</li> <li>05</li> <li>13</li> <li>29</li> <li>9</li> <li>05</li> <li>13</li> <li>23</li> <li>13</li> <li>44</li> <li>10</li> </ul>	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39*	5166.5 639.3 639.3 6 6 7 6 7 7 7 7 7 7 8 6 7 7 7 7 7 7 7 7	870.8 959  959  870.8 959  870.8 959  870.8 959  870.8 959  870.8 959  870.8 870.8 870.8 870.8 959  870.8 959  870.8 959  870.8 959  870.8 970.8 970.9 970.8 970.8 970.8 970.8 970.9 970.9 970.8 970.8 970	1,6 1,8 6 6 7 7 7	53.4 73.9	31.33*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 • HB97 • HB97 • S in inches 1" 7.25 7.75 11 8.25 11 4.92 6 7.87 9 9.05 10 8.46 9 12.59	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li>9</li> <li>9</li> <li>05</li> <li>11</li> <li>22</li> <li>9</li> <li>9</li> <li>05</li> <li>11</li> <li>23</li> <li>13</li> <li>44</li> <li>10</li> <li>56</li> <li>16</li> </ul>	Aperflu Aperflu Aperflu Aperflu Aperflu A Aperflu A A A A A A A A A A A A A	20.39* 20.39* 25.59*	5166.5 639.3 639.3 6 6 7 6 7 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87	870.8 959 	1,6 1,8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	31.33* 41.73*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* In inches</b> 1" 2 7.25 7.75 11 8.25 11 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5	7/.1 79.3 83.7                  	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 6 6 6 7 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 <sup>a</sup> 23.62 32.87 <sup>a</sup> 10.23 16.14 <sup>a</sup>	870.8 959  959  8" 21.38 22.38 24 19.29 17.91 20.07 17.71 26.18 12.4	1,6 1,8 1,8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* in inches</b> 1" 2 7.25 7.75 11 8.25 11 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5 6.29 6	<ul> <li>7/.1</li> <li>79.3</li> <li>83.7</li> <li>83.7</li> <li></li> <li><!--</td--><td>Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A</td><td>20.39* 20.39* 20.39* 25.59* 14.09*</td><td>5166.5 639.3 639.3 6 6 6 7 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87 10.23 16.14<sup>*</sup> 11.41</td><td>870.8 959 </td><td>1,6 1,8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>53.4 73.9</td><td>31.33* 41.73* 20.07*</td></li></ul>	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 6 6 6 7 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87 10.23 16.14 <sup>*</sup> 11.41	870.8 959 	1,6 1,8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 • HB97 • HB97 • S in inches 1" 7.25 7.75 11 8.25 11 4.92 6 7.87 9 9.05 10 8.46 9 12.59 14 5.51 5 6.29 6	7/.1 79.3 83.7 83.7	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 639.3 639.3 639.3 639.3 649.4 6	870.8 959                          	1,6 1,8 1,8 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - 	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* HB97</b> <b>* 1</b> <b>* HB97</b> <b>* 1</b> <b>* 1</b>	7/7.1         79.3         83.7         83.7	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 639.3 639.3 639.3 647 647 647 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87 10.23 16.14 <sup>4</sup> 11.41 11.71 31.29	870.8 959                          	1,6 1,8 <b>F</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	53.4 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / - SB82 / - UX 851+ SB82 / - SB82 / -	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* in inches</b> 1" 2 7.25 7.75 11 8.25 11 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 11	7/7.1         79.3         83.7         83.7         •      <	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 6 6 6 7 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87 10.23 16.14 <sup>*</sup> 11.41 11.71 31.29	870.8 959       	1,6 1,8 <b>F</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / - SB82 / - UX 851+ SB82 / - SB82 /	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* in inches</b> 1" 7.25 7.75 11 8.25 11 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 18	2" 10 11 29 90 11 25 13 29 90 5 11 23 13 44 10 56 16 16 17 7 88 88 8 02 13 3.5 22 22 13 24 13 24 13 25 13 22 13 22 13 22 13 23 13 24 14 15 15 15 15 15 15 15 15 15 15	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 6 6 6 17.75 18.62 20 15.15 16.53 18.50 14.76 25.39 23.62 32.87 10.23 16.14 11.41 11.71 31.29 	870.8 959  959  959  959  959  959  959  959  959  959  959  959  959  959  959  959  959  959  959       	1,6 1,8 1,8 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / -	44 46.2 48.5 <b>+ HB97</b> <b> </b>	7/7.1         79.3         83.7         83.7	Aperflu Aperflu Aperflu Aperflu Aperflu A Aperflu A A A A A A A A A A A A A	203.5 282.1 304.2 <b>x 8551</b> <b>x 855</b> <b>x 8551</b> <b>x 855</b> <b>x 8551</b> <b>x 855</b> <b>x 855</b> <b>x 855</b> <b>x 14.09x 14.09x 14.09x 14.09x 14.09x 14.09x 14.09x 14.09x 14.09x 14.01</b> <b>x 14.01</b> <b>x</b>	5166.5 639.3 639.3 639.3 639.3 639.3 647.5 647.5 10.53 10.53 10.23 16.53 18.50 14.76 25.39 <sup>4</sup> 23.62 32.87 <sup>4</sup> 10.23 16.14 <sup>4</sup> 11.41 11.71 31.29 5.15 10.23 16.14 <sup>4</sup> 11.41 11.71 31.29 10.23 10.25 10.25 10.25 10.25 10.25 10.25 10.25 10.25 10.25 10.2	870.8 959 959 959 870.8 959 870.8 959 870.8 959 870.8 959 870.8 959 870.8 959 870.8 959 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 959 870.8 959 959 870.8 870.8 870.8 959 870.8 970.8 970.9 970.8 970.8 970.8 970.8 970.9 970.8 970.8 970.8 970.	1,6 1,8 1,8 <b>6</b> <b>7</b> <b>6</b> <b>7</b> <b>6</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b> <b>7</b>	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.4 74.7 74.7 75.43 74.56 76.33 74.56 16.33 14.96 49.6 74.53 and	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / - SB82	44 46.2 48.5 <b>+ HB97</b> <b> </b>	77.1         79.3         83.7         83.7	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	20.39* 220.39* 20.39* 25.59* 14.09*	5166.5 639.3 639.3 639.3 639.3 639.3 639.3 640.4 670.4 670.4 17.75 18.62 200 15.15 16.53 18.50 14.76 25.39 <sup>4</sup> 23.62 32.87 <sup>4</sup> 10.23 16.14 <sup>4</sup> 11.41 11.71 31.29 5.3 6.3 14.76 15.15 16.53 16.53 16.53 16.53 16.53 16.75 17.75	870.8 959 959 870.8 959 870.8 959 870.8 959 870.8 870.8 959 870.8 959 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 959 870.8 870.8 870.8 959 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 870.8 959 870.8 90.0 90.0 90.0 90.0 90.0 90.0 90.0 9	1,6 1,8 1,8 <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / - SB82 / -	44 46.2 48.5 <b>+ HB97</b> <b>* HB97</b> <b>* HB97</b> <b>* Sin inches</b> 1" 2 7.25 7.75 11 8.25 11 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 13 14 5.51 5 6.29 6 10.23 11	7/1.1 79.3 83.7 83.7 •	Aperflu Aperflu Aperflu Aperflu Aperflu A Aperflu A A A A A A A A A A A A A	20.39* 282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x</b> 851 <b>x</b>	5166.5 639.3 639.3 6 6 7 17.75 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 11.77 18.62 20 15.15 16.53 18.62 20 11.77 18.62 20 15.15 16.53 18.62 20 11.77 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.74 11.71 31.29 573.2	870.8 959 959 870.8 959 870.8 959 870.8 959 870.8 870.8 959 870.8 959 870.8 959 870.8 959 870.8 959 870.8 870.8 870.8 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 870.9 959 950.9 95	1,6 1,8 <b>F</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 UX 851+ SB82 / - UX 851+ SB82 / - SB82 / -	44 46.2 48.5 <b>+ HB97</b> <b> </b>	77.1         79.3         83.7	Aperflu Aperflu Aperflu Aperflu Aperflu A A A A A A A A A A A A A	203.5 282.1 304.2 <b>x 851</b> <b>x 851</b> <b>x</b> 851 <b>x</b> 8	5166.5 639.3 639.3 639.3 6 6 7 17.75 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 15.15 16.53 18.62 20 11.77 18.62 20 15.15 16.53 18.62 20 11.77 18.62 20 15.15 16.53 18.74 11.41 11.71 31.29 5 7 2.62 32.87 <sup>*</sup> 10.64 10.	870.8 959 959 870.8 959 870.8 959 870.8 959 870.8 870.8 959 870.8 959 870.8 959 870.8 870.8 870.8 870.8 870.8 959 870.8 870.8 959 950.8 950.95	1,6 1,8 1,8 <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b> <b>G</b>	53.4 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9	31.33* 41.73* 20.07*

### Aperflux 851 + PM819

Aperflux 851



2,425

2,535.3

2,755.7



Overall dimensions in inch	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
К	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 149.9 352.7 S - ANSI 150/PN 16 72.7 297.6 815.7 1,157.4 154.3 859.8 1,289.7 S - ANSI 300 74.9 304.2 363.7 S - ANSI 600 77.1 158.7 326.2 418.8 925.9 1,377.8



ıx 851+ DB/851		Aper	flux 8	51		Ø			-E
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					= DN	╚╪╕╫	DN		
							D		
Overall dimension	s in inches				الم	S <b>&gt;</b>	ł ł		
Inches	1'		2"	3"	4"	6"	8"	10"	
S - ANSI 150/PN 16	7.2	.5	10	11.75	13.88	17.75	21.38	26.5	
S - ANSI 300	7.7	5 1	0.5	12.5	14.5	18.62	22.38	27.88	
S - ANSI 600	8.2	(5 11	1.25	13.25	15.5	20	24	29.62	
<u>0</u>	12 (	10 I	1.81	10.69	15.35	18.89	120.39	29.13	
R	18	3 20	) 86	24.6	27.36	20.14	12.2 41.14	40.33	
C	3.0	3 5	.11	5.9	7.48	9.44	10.43	13.38	
D	5.1	1 6	.29	7.87	9.84	11.81	12.59	17.32	
E	6.3	7 7	.71	8.5	9.48	9,21	9.33	10.31	
F	7.5	5 8	.89	9.68	10.66	10.39	10.51	11.49	
G	14.	56 17	7.32	20.66	23.42	29.33	37.4	54.96	
Н	17.9	91 21	.65	25.59	29.92	38.58	46.25	47.83	
L	22.0	26	6.49	31.18	35.31	42.55	52.44	54.01	
Tubing Connections					1/4" NP1	Γ			
Face to face dimension	s S according	to ANSL I	FC 534-3	and EN 3	34				
		,, .							
Weights in Lbs									
	103	.6 22	20.4	370.3	529.1	862	1,675.5	2,733.7	
5 - ANSI 150/PN 16					E00 0		1 0 0 0 0	2 8/8 3	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851+	10 110 -SB82 /+I	8 22 1.2 22 H <b>B97</b>	24.8 29.2 <b>Aperfl</b>	396.8 ux 851	612.8	954.6 1,027.3	1,838.6	3,068.8	· · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10 110 -SB82 /+I	8 22 .2 22 HB97	24.8 29.2 Aperfl	390.2 396.8 ux 851	612.8	954.6 1,027.3	1,838.6	3,068.8	· · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10 110 -SB82 /+I	8 22 .2 22 <b></b>	24.8 29.2 Aperfl	390.2 396.8 ux 851	590.8 612.8	954.6 1,027.3	1,838.6		· · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110 -SB82 /+I	8 22 .2 22 • • • • • • • • • • • • • • • • • •	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3	1,838.6		· · · · · · · · · · · · · · · · · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110 -SB82 /+I	8 22 1.2 22 HB97	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8		· · · · · · · · · · · · · · · · · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110 -SB82 /+I	8 22 .2 22 HB97	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3	1,888.6 1,926.8		· · · · ·
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110	8 22 12 22 HB97	24.8 29.2 Aperfl	390.2 396.8 		954.6 1,027.3	1,838.6 1,926.8		
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110	8 22 12 22 HB97	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10 110	8 22 12 22 HB97	24.8 19.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10 110	8 22 12 22 HB97	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600	10. 110 -SB82 /+I	8 22 12 22 HB97	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851-	10. 110 -SB82 /+I	8 22 12 22 HB97	24.8 29.2 Aperfl	390.2 396.8 • • • • • • • • • • • • • • • • • • •	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851-	10. 110 -SB82 /+I	8 22 1B97 	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b>	590.8 612.8	954.6 1,027.3			
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851-	10. 110 -SB82 /+I	8 22 1.2 22 <b>HB97</b> 	24.8 29.2 Aperfl	390.2 396.8 <b>ux 851</b> 	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8  G G G G G G G G G G G G G G G G		
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851-	10. 110 -SB82 /+I	8 22 <b>HB97</b> 	24.8 29.2 Aperfl 3. 11.75 12.5 13.25	390.2 396.8 <b>UX 851</b> 	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8  G G G G G G G G G G G G G G G G	2,043.3 3,068.8	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851+	10. 110 -SB82 /+I	8 22 1.2 22 <b>HB97</b> 	24.8 29.2 Aperfl 3.7 11.75 12.5 13.25 12.99	390.2 396.8 <b>ux 851</b> 	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8    	2,043.3 3,068.8 	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851+ Overall dimensions Inches S - ANSI 150/PN 16 S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 300 S - ANSI 600 Ø A	10. 110 -SB82 /+I	8 22 1.2 22 <b>HB97</b> 	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68	390.2 396.8 <b>UX 851</b>         	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8 6 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	2,043.3 3,068.8 	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 X 851+DB/851+	10. 110 -SB82 /+I	8 22 1.2 22 <b>HB97</b> 	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6	390.2 396.8 <b>UX 851</b>         	590.8 612.8	954.6 1,027.3	1,838.6 1,926.8    	2,043.3 3,068.8 	
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 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	10. 110 -SB82 /+I	8 22 1 B97 1 B97 	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6 10.62	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81	590.8 612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	954.6 1,027.3 •••••• •••••• •••••• •••••• •••••• ••••	1,838.6 1,926.8    	3,068.8 3,0	31.33*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851+ DVerall dimensions Inches S - ANSI 150/PN 16 S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 Ø A B C D	10. 110 -SB82 /+I	8 22 1B97 1B97 22 10 10.5 11.25 11.81 16.53 20.86 9.44 14.56	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89	590.8 612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	954.6 1,027.3 •••••• •••••• •••••• •••••• •••••• ••••	1,838.6 1,926.8    	3,068.8 3,0	31.33* 41.73*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 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 D E	10. 110 -SB82 /+I - - - - - - - - - - - - - - - - - - -	8 22 1 2 22 1 B97 1 B97 	24.8 29.2 Aperfl 3 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66	590.8 612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	954.6 1,027.3 • • • • • • • • • • • • • • • • • • •	1,838.6 1,926.8 1,926.8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2,043.3 3,068.8	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 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 D E F	100 1100 -SB82 /+I	8 22 1 2 22 1 B97 1 B97 1 0 1 0.5 1 1.25 1 1.81 1 6.53 2 0.86 9.44 1 4.56 8.89 21.65 8.89 21.65	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39	390.2 396.8 <b>UX 851</b> 4 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66 27.75	590.8 612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	954.6 1,027.3	1,838.6 1,926.8 1,926.8 4 4 4 5 7 7 8" 21.38 22.38 24 25.39 35.82 41.14 25.39 35.82 41.14 27 17.71 7* 26.18 44.68	2,048.3 3,068.8	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851 + DB/851 -	100 1100 -SB82 /+I	8 22 .2 22 HB97 	24.8 29.2 Aperfl 3 4 3 7 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 25 0	390.2 396.8 <b>ux 851</b> 	590.8 612.8 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	954.6 1,027.3	1,838.6 1,926.8 1,926.8 6 6 7 7 8 7 21.38 22.38 24 25.39 35.82 41.14 25.39 35.82 41.14 27 17.71 7* 26.18 4* 10.51 44.68 53.54 50.70	2,043.3 3,068.8 	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851- 	100 110 -SB82 /+I -SB82 /+I - 	8 22 	24.8 29.2 Aperfl 3 4 3 7 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 35.9	390.2 396.8 <b>ux 851</b> • • • • • • • • • • • • • • • • • • •	590.8 612.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	954.6 1,027.3 • • • • • • • • • • • • • • • • • • •	1,838.6 1,926.8 1,926.8 6 6 7 7 8 7 21.38 22.38 24 25.39 35.82 41.14 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 25.39 35.82 41.14 35.82 41.14 35.82 41.14 35.82 41.14 44.68 55.54	2,043.3 3,068.8 	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851- 	100 110 -SB82 /+I	8 22 	24.8 29.2 Aperfl 3 4 4 5 4 5 5 7 5 7 5 7 5 7 5 7 5 7 7 7 7	390.2 396.8 <b>UX 851</b> • • • • • • • • • • • • • • • • • • •	590.8 612.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	954.6 1,027.3 ••••••••••••••••••••••••••••••••••••	1,838.6 1,926.8 1,926.8 4 4 4 4 4 25.39 35.82 41.14 9* 10.51 44.68 53.54 59.72	2,048.3 3,068.8 	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851-	100 110 -SB82 /+I	8 22 1 2 22 1 B97 1 B97 	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 35.9	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1/	590.8 612.8 € 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	954.6 1,027.3 ••••••••••••••••••••••••••••••••••••	1,838.6 1,926.8 1,926.8 6 6 7 8" 21.38 22.38 24 25.39 35.82 41.14 2* 10.51 44.68 53.54 59.72	2,0-4.3 3,068.8 	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 IX 851+DB/851+ S - ANSI 600 Overall dimensions Inches S - ANSI 150/PN 16 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	10. 110 -SB82 /+I	8 22 1 <b>HB97</b> <b>HB97</b> 2" 10 10.5 11.25 11.81 16.53 20.86 9.44 14.56 8.89 21.65 25.98 30.82 <b>H</b> 8/97	Aperfl Aperfl 3" 4" 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 35.9	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1/ to face di	590.8 612.8 612.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	954.6 1,027.3 • • • • • • • • • • • • • • • • • • •	1,838.6 1,926.8 1,926.8 6 6 7 7 8 7 21.38 22.38 24 25.39 35.82 41.14 2* 7 26.18 4* 10.51 44.68 53.54 59.72 to AŅSI, IEC	2,048.8 3,068.8 4 4 4 4 4 4 4 4 4 4 4 4 4	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 X 851+DB/851+ X 851+DB/851+	10. 110 -SB82 /+I	8 22 1 2 22 1 B97 1 B97 1 0 1 0.5 1 1.25 1 1.81 1 6.53 20.86 9.44 1 4.56 8.89 2 1.65 25.98 30.82 	Aperfl Aperfl Aperfl 3" 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 35.9 30.31 35.9	390.2 396.8 <b>UX 851</b> 4" 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1/ to face dii	590.8 612.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	954.6 1,027.3	1,838.6 1,926.8 1,926.8 1,926.8 8 2,138 22.38 24 25.39 35.82 41.14 25.39 35.82 41.14 27 26.18 4 10.51 44.68 53.54 59.72 to ANSI, IEC	2,048.8 3,068.8 	31.33* 41.73* 20.07*
S - ANSI 150/PN 16 S - ANSI 300 S - ANSI 600 X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/851+ X 851+DB/85+ X 85	10. 110 -SB82 /+I -SB82 /+I 	8 22 1 2 22 1 B97 1 B97 1 0 1 0.5 1 1.25 1 1.25 1 1.81 1 6.53 20.86 9.44 1 4.56 8.89 2 1.65 25.98 30.82	24.8 29.2 Aperfl 3 3 11.75 12.5 13.25 12.99 19.68 24.6 10.62 16.53 9.68 25.39 30.31 35.9 30.31 35.9 5 5 5 6 8 25.39	390.2 396.8 <b>UX 851</b> 4 1 4 13.88 14.5 15.5 15.35 22.44 27.36 11.81 18.89 10.66 27.75 34.25 39.64 1/ 1 to face din 392.4	590.8 612.8 612.8 20.39* 25.59* 14.09* 4" NPT 4" NPT hensions 562.1	954.6 1,027.3	1,838.6 1,926.8 1,926.8 1,926.8 1,926.8 1,926.8 8" 21.38 22.38 24 25.39 35.82 41.14 9" 17.71 7" 26.18 4" 10.51 44.68 53.54 59.72 to ANSI, IEC 1,818.8 2004	2,048.3 3,068.8 3,0	31.33* 41.73* 20.07*

# Aperflux 851 + DB/851 + PM/819

Aperflux 851





Overall dimensions in incl	nes						
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
А	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

J								
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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#### www.fiorentini.com

This data is not binding. We reserve the right to make changes without prior notice.

CT-AF851 April 2015