piFLOW®i

piFLOW®i 6

piFLOW®i 8

piFLOW®i 14

This is a conveyor that is widely used in general industry and sometimes in the chemical industry. It has a high throughput performance as well as a small footprint. This conveyor is often used as an alternative to mechanical conveyors when there is requirement for dust free conveying or a need for low maintenance.

The piFLOW®i series is designed with a full opening option making it possible for you to maximize the material throughput and increase the overall capacity of the system. The full opening gives an instant discharge, i.e. increased material throughput.

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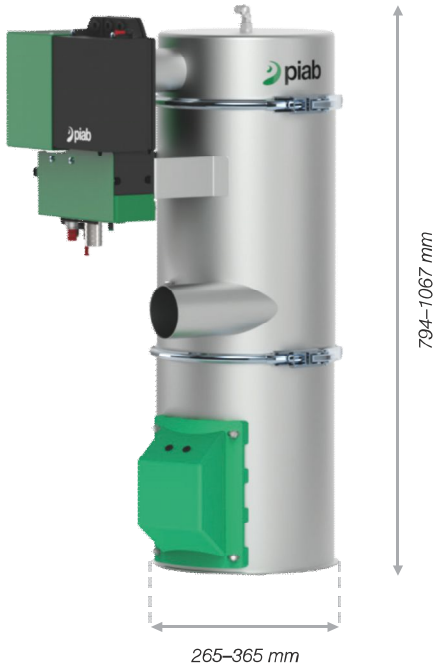
piFLOW®i – Overview



- Regulator kit 1” included
- Low noise level
- ATEX conformity optional
- EPDM seals, antistatic
- Actuator in aluminum
- Cone opening with 6 liters
- Full opening with 8 or 14 liters

Technical data

Description	Unit	Value
Material		ASTM 304, EPDM, NBR, ePTFE, PTFE, PE, PET, PA, Al, Zn
Temperature range	°C	0–60
Weight	kg	27–35
Feed pressure, max.	MPa	0.7
Feed pressure range	MPa	0.4–0.6
Air consumption range	Nl/s	5–37
Vacuum range	-kPa	60–75
Noise level range	dBA	69–77
Filter area	m^2	0.09–0,5
Material batch volume	l	6, 8 or 14
Feed pressure range, control	MPa	0.4–0.6

Legend piFLOW®i/f

Pump 100/200/400/600
Vol. 6 L

Pump 100/200/400/600
Vol. 8 L

Pump 100/200/400/600
Vol. 14 L

Length capacity piFLOW®i/f

Length in metres	0,25	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5
50	Pump 600 Vol. 14	Pump 400/600 Vol. 14									
45	Pump 600 Vol. 14	Pump 400/600 Vol. 14									
40	Pump 400 Vol. 8	Pump 400/600 Vol. 14									
35	Pump 400 Vol. 8	Pump 400 Vol. 8/14									
30	Pump 400 Vol. 8	Pump 400 Vol. 8/14									
25	Pump 200 Vol. 6	Pump 400 Vol. 8/14	Pump 600 Vol. 14								
20	Pump 200 Vol. 6	Pump 200/400 Vol. 6/8	Pump 400/600 Vol. 14								
17	Pump 200 Vol. 6	Pump 200 Vol. 6/8	Pump 400 Vol. 8/14								
15	Pump 200 Vol. 6	Pump 200 Vol. 6/8	Pump 400 Vol. 8/14	Pump 600 Vol. 14							
12	Pump 100 Vol. 6	Pump 200 Vol. 6/8	Pump 400 Vol. 8/14	Pump 400 Vol. 14	Pump 600 Vol. 14						
10	Pump 100 Vol. 6	Pump 100/200 Vol. 6/8	Pump 200/400 Vol. 8	Pump 400 Vol. 14	Pump 600 Vol. 14						
7	Pump 100 Vol. 6	Pump 100 Vol. 6	Pump 200 Vol. 8	Pump 400 Vol. 8/14	Pump 400 Vol. 14	Pump 600 Vol. 14					
5	Pump 100 Vol. 6	Pump 100 Vol. 6	Pump 200 Vol. 8	Pump 200 Vol. 8	Pump 400 Vol. 14	Pump 400 Vol. 14	Pump 600 Vol. 14	Pump 600 Vol. 14	Pump 600 Vol. 14		
2	Pump 100 Vol. 6	Pump 100 Vol. 6	Pump 100 Vol. 6	Pump 100 Vol. 6	Pump 200 Vol. 7	Pump 200 Vol. 7	Pump 400 Vol. 14	Pump 400 Vol. 14	Pump 400 Vol. 14	Pump 600 Vol. 14	Pump 600 Vol. 14
										Ton/h	

Filter selection & pipe sizing, piFLOW®i/f

Conveyor model	G = Powder w. part.size >25 µm (granules) P = Powder w. min part.size >10 µm FP = Powder w. min part.size >5 µm UFP = Powder w. min part.size >3 µm B = Bridging / Sticky powder	Pump piBASIC100	Pump piBASIC200	Pump piBASIC400	Pump piBASIC600
piFLOW®i & f. 1 filter	TX2, Textile filter 02	P B	G		
	TX4, Textile filter 04	FP B	P B	G	
	TX6, Textile filter 06	FP B	FP B	PB	G
	PR2, Pleated rod filter 02	FP B	P B		
	PR4, Pleated rod filter 04	UFP B	FP B	P B	
	PR6, Pleated rod filter 06	UFP B	UFP B	FP B	PB
	P2, Pleated filter 02	UFP	UFP	P	
	P4, Pleated filter 04	UFP	UFP	FP	
	P6, Pleated filter 06	UFP	UFP	UFP	P

Model [piFLOW®i & f]		Bulk density 0.4-1.0 kg/L. 25-62.4 lb/cubic ft	Bulk density 1.0-1.5 kg/L. 62.4-93.6 lb/cubic ft	Bulk density 1.5-2.0 kg/L. 93.6 - 124.9 lb/cubic ft
	Conveyor body inlet diameter, mm [inch]	Recom. conveying pipe diameter Ø, mm [inch]	Recom. conveying pipe diameter Ø, mm [inch]	Recom. conveying pipe diameter Ø, mm [inch]
Pump 100 Vol. 6	76 [3]	38 [1.5]	32 [1.26]	32 [1.26]
Pump 100 Vol. 8	76 [3]	38 [1.5]	32 [1.26]	32 [1.26]
Pump 200 Vol. 6	76 [3]	51 [2]	38 [1.5]	32 [1.26]
Pump 200 Vol. 8	76 [3]	51 [2]	38 [1.5]	32 [1.26]
Pump 400 Vol. 8	76 [3]	63,5 [2.5]	51 [2]	38 [1.5]
Pump 200 Vol. 14	76 [3]	51 [2]	38 [1.5]	32 [1.26]
Pump 400 Vol. 14	76 [3]	63,5 [2.5]	51 [2]	38 [1.5]
Pump 600 Vol. 14	76 [3]	76 [3]	63,5 [2.5]	51 [2]

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piFLOW® – Conveyor Customer Code

piFLOW®i/f *piFLOW®p*

Model	Code
piFLOW®i	I
piFLOW®f	F

piFLOW®i/f *piFLOW®p*

Pump size	Code
piBASIC100	BA100
piBASIC200	BA200
piBASIC400	BA400
piBASIC600	BA600
No pump	0

Filter type	Code
Textile filter 02	TX2
Textile filter 04	TX4
Textile filter 06	TX6
Pleated filter 02	P2
Pleated filter 04	P4
Pleated filter 06	P6
Pleated rod filter 02	PR2
Pleated rod filter 04	PR4
Pleated rod filter 06	PR6

Inlet diameter	Code
Inlet Ø 32 (1 ¼")	32
Inlet Ø 38 (1 ½")	38
Inlet Ø 51 (2")	51
Inlet Ø 63 (2 ½")	63
Inlet Ø 76 (3")	76
No Inlet	0

Batch volume	Code
Volume 6L (0.21 cf)	6
Volume 8L (0.28 cf)	8A
Volume 14L (0.49 cf)	14A
No volume	0

Model	Code
piFLOW®p	P

Pump size	Code
piPREMIUM64	P64
piPREMIUM100	P100
piPREMIUM200	P200
piPREMIUM400	P400
piPREMIUM600	P60L
piPREMIUM800	P80L
piPREMIUM1200	P120L
piPREMIUM1600	P160L
Vacuum Conn. 2.5"	VC2
Vacuum Conn. 3"	VC3
Vacuum Conn. 4"	VC4

Filter type	Code
Textile filter 01	TX1
Textile filter 02	TX2
Textile filter 04	TX4
Textile filter 06	TX6
Pleated filter 00	P0
Pleated filter 02	P2
Pleated filter 04	P4
Pleated filter 06	P6
Pleated rod filter 00	PR0
Pleated rod filter 01	PR1
Pleated rod filter 02	PR2
Pleated rod filter 04	PR4
Pleated rod filter 06	PR6

Inlet diameter	Code
TC Inlet Ø 25 (1")	25T
TC Inlet Ø 51 (2")	51T
TC Inlet Ø 76 (3")	76T
TC Inlet Ø 102 (4")	102T
Inlet Ø 25 (1")	25
Inlet Ø 32 (1 ¼")	32
Inlet Ø 38 (1 ½")	38
Inlet Ø 51 (2")	51
Inlet Ø 63 (2 ½")	63
Inlet Ø 76 (3")	76
Inlet Ø 102 (4")	102
No Inlet	0

Batch volume	Code
Volume 2L (0.07 cf)	2
Volume 3L (0.11 cf)	3
Volume 7L (0.25 cf)	7
Volume 14L (0.49 cf)	14
Volume 33L (1.17 cf)	33
Volume 56L (1.98 cf)	56
No volume	0

I . BA100 . TX2 . 32 . 6 . C . RS . AAL . EX . GB

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Discharge type	Code
Cone Opening	C
Full Opening	F
No discharge	0

Control	Code
Control VU EP-1	EP
Control PPT/RS	RS
No control	0

Material	Code
Antistatic & AL	AAL

Special Technical documents	Code
ATEX	EX
No special documentation	0

Language	Code
Manual SE	SE
Manual GB	GB
Manual DE	DE
Manual IT	IT
Manual ES	ES
Manual FR	FR
Manual US	US
Manual DK	DK
Manual FI	FI
Manual NL	NL
Manual PL	PL
Manual PT	PT
Manual RO	RO
Manual CZ	CZ
Manual NO	NO
Manual RU	RU
Manual JP	JP

Discharge type	Code
Cone Opening	C
Full Opening	F
Cone Opening, bridging	CB
No discharge	0

Control	Code
Control VU EP-1	EP
Control CU-1A	1A
Control CU-1B	1B
Control CU-2A	2A
Control CU-2B	2B
Control PPT/RS	RS
No control	0

Material	Code
Antistatic & AL	AAL
Antistatic & SS	ASS
Silicon & AL	QAL
Silicon & SS	QSS

Special Technical documents	Code
ATEX	EX
2.2	2
IQ/OQ	Q
ATEX + 2.2	EX2
IQ/OQ + ATEX	QEX
IQ/OQ + 2.2	Q2
IQ/OQ + 2.2 + ATEX	Q2EX
No special documentation	0