

Variable area flow indicator IDP



- For aggressive or neutral fluids
- Corrosion and shockproof
- Construction: all in plastic materials
- PVC, Trogamid (PA), Polysulfon (PSU, PVDF)
- 0-50 m³/h water in 12 scales
- Air, HCl, NaOH,..
- Direct reading plus 2 set point indicators
- Alarm contacts in option
- Accuracy: Class 4
- Radial mounting: vertical, ascending flow

TECHNICAL FEATURES

Max. pressure at 20 °C	PVC union: PN 10 - Cast iron union: PN 16
Temperature limits	PVC: 0...50°C (water) Trogamid: 0...80°C (water) Polysulfon: 0...120°C (water)
Float:	PVDF
Float stopper:	PVDF
Seals:	EPDM
Union (standard model):	PVC, to glue on site
Scales:	in l/h water at 20°C
Chemical resistance:	PVC for acid, neutral or basic liquids Trogamid for neutral and basic fluids Polysulfon for Acids – Please inquire.

Caution: it is necessary to take care of unions temperature limits.

SPECIFICATION

Example: IDP 100 T PVDF A

IDP:	Plastic flow indicator
100:	Beginning of scale (end of scale is x 10)
T:	Calibrated tube in PVC (V), Trogamid (T), Polysulfon (P) or (PVDF)
PVDF:	PVDF float
A:	Including a magnet for switch control (option)

OPTIONS

Connections:	Cast iron or stainless steel unions, flanges and collars With flat seals PVC, PPH, PVDF or stainless
Seals:	FPM
Special scales:	Air (1...9 bar absolute - 20 °C) with Trogamid IDP only HCl (30 %), Na OH (30 and 50 %)

With your request, please specify the fluid, temperature and pressure.

BAMO MESURES

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IDP Type	ND	d mm	R	Scale l/h water at 20°C	Code numbers			
					PVC	PVC-A	Polysulfon	Polysulfon-A
60	25	32	1"	60 - 600	P46 276	P47 580	P46 330	P47 634
100				100 - 1 000	P46 277	P47 581	P46 331	P47 635
150	32	40	1" ¼	150 - 1 500	P46 279	P47 583	P46 333	P47 637
250				250 - 2 500	P46 280	P47 584	P46 334	P47 638
200	40	50	1" ½	200 - 2 000	P46 284	P47 588	P46 338	P47 642
300				300 - 3 000	P46 285	P47 589	P46 339	P47 643
400	50	63	2"	400 - 4 000	P46 289	P47 593	P46 343	P47 647
600				600 - 6 000	P46 290	P47 594	P46 344	P47 648
1 000				1 000 - 10 000	P46 291	P47 595	P46 345	P47 649
1 500	65	75	2" ½	1 500 - 15 000	P46 295	P47 599	P46 349	P47 653
2 500				2 500 - 25 000	P46 296	P47 600	P46 350	P47 654
10 000				10 000 - 50 000	P127 865	P127 867	P127 871	P127 873

IDP Type	ND	Scale l/h water at 20°C	Code numbers			
			Trogamid	Trogamid-A	PVDF	PVDF-A
60	25	60 - 600	P46 303	P47 607	P46 357	P47 661
100		100 - 1 000	P46 304	P47 608	P46 358	P47 662
150	32	150 - 1 500	P46 306	P47 610	P46 360	P47 664
250		250 - 2 500	P46 307	P47 611	P46 361	P47 665
200	40	200 - 2 000	P46 311	P47 615	P46 365	P47 669
300		300 - 3 000	P46 312	P47 616	P46 366	P47 670
400	50	400 - 4 000	P46 316	P47 620	P46 370	P47 674
600		600 - 6 000	P46 317	P47 621	P46 371	P47 675
1 000		1 000 - 10 000	P46 318	P47 622	P46 372	P47 676
1 500	65	1 500 - 15 000	P46 322	P47 626	P46 376	P47 680
2 500		2 500 - 25 000	P46 323	P47 627	P46 377	P47 681
10 000		10 000 - 50 000	P127 868	P127 870	P127 874	P127 875

ND	d	R	Dimensions mm (1)					ΔP (1) mbar	ΔP (2) mbar	Weight /g
			G	D	L	L1	L2			
25	32	1"	1" ½	60	350	356	400	12,3	15,9	475
32	40	1" ¼	2"	72	350	356	408	12,3	15,9	710
40	50	1" ½	2" ¼	83	350	356	418	12,3	15,9	1,050
50	63	2"	2" ¾	103	350	356	432	22,2	27,1	1,530
65	75	2" ½	3" ½	122	350	356	444	33,7	40,0	2,100

(1) Not availables for PVDF units.

ΔP (1) : Pressure loss for with WATER at 20°C

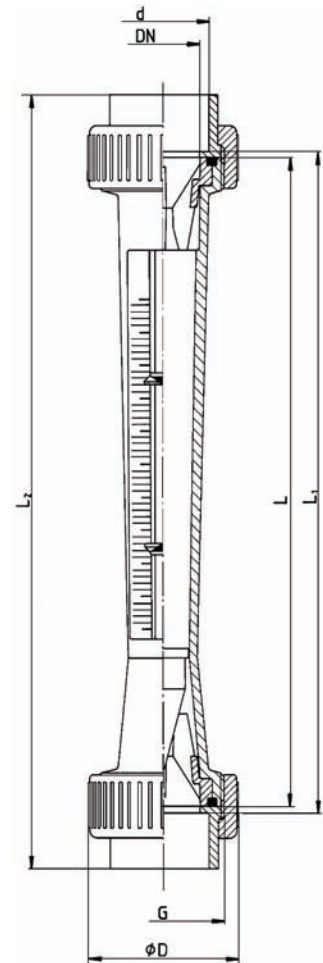
ΔP (2) : Pressure loss for with AIR at 20°C

ND	Ø	Options code numbers							
		Seals		Threaded connection			Union	Flange	
		FPM	Cast iron	St. steel	PVC	PPH	PVC	PPH	
25	32	P53 959	730 303	730 305	730 301	730 302	730 306	730 307	
32	40	P53 960	730 353	730 355	730 351	730 352	730 356	730 357	
40	50	P53 961	730 403	730 405	730 401	730 402	730 406	730 407	
50	65	P53 962	730 503	730 505	730 501	730 502	730 506	730 507	
65	75	P53 963	730 603	-	730 601	730 602	730 606	730 607	

ELECTRICAL SWITCHES

The flow meter has to be equipped with a magnetic float PVDF A

Switching power	: 10 VA / 100 V AC / 0.5 A
Status NO with flow-less	: Code number P 48119
NC with flow-less	: Code number P113 131
Protection	: IP 65, DIN plug (acc. to DIN EN 175301-803)
Temperature limits	: Room 0...55°C, Fluid 0...55°C



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