

# variable area flowmeters



The ASV Stübbe variable area flowmeter uses a precision moulded transparent tube with a tapered bore, into which is fitted a conical weighted float.

The media (water, air, liquid or gaseous chemicals) flows vertically from the bottom to the top. As it passes through the tube, it displaces the float and raises it to a point where equilibrium is established between the lifting force of the media and the weight of the float. The top edge of the float directly indicates the flow volume on the graduated tube scale.

- ✓ **Materials for most media: PVC-U, Polyamide (PA), Polysulfone (PSU) and PVDF**
- ✓ **Float manufactured from PVDF or Stainless Steel**
- ✓ **Optional magnetic float for use with limit switches**
- ✓ **Piping connections to PVC-U, Polypropylene and PVDF (ABS available on request)**
- ✓ **Two visible scales on each meter: flow rate and percentage (DFM 335 and DFM 350 only)**
- ✓ **Standard scales in L/hr, optional m<sup>3</sup>/hr or GPM**

## ASV Stübbe Flowmeter Programme Overview

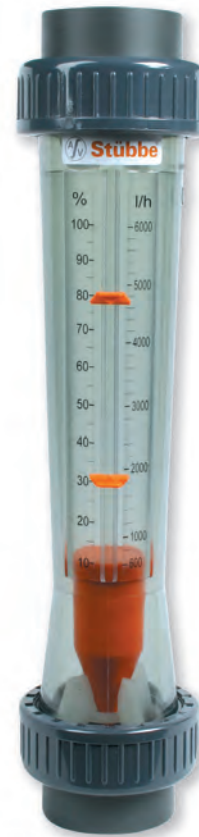
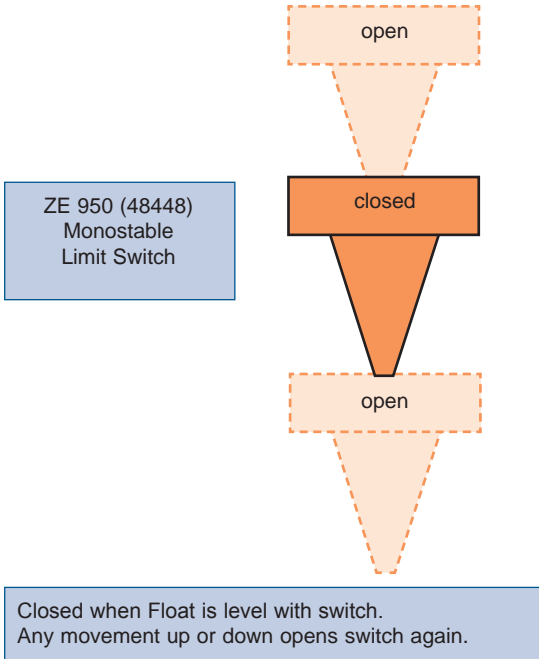
Measuring Range <sup>1)</sup> l/hr	DN		Series DFM					
	MM	Inch	165	170	185	200	335	350
3-24	10	-	•					
5-60	10	-	•					
10-100	10	-	•					
25-250	10	-	•					
5-50	15	1/2"	•					
15-150	15	1/2"	•					
25-250	15	1/2"	•					
40-400	15	1/2"	•					
15-150	20	3/4"			•			
40-400	20	3/4"			•			
60-600	20	3/4"			•			
100-1000	20	3/4"			•			
15-150	25	1"				•		
25-250	25	1"				•		
30-300	25	1"				•		
40-400	25	1"				•		
60-600	25	1"				•	•	•
100-1000	25	1"				•	•	•
150-1500	25	1"				•	•	•
150-1500	32	1 1/4"						•
250-2500	32	1 1/4"						•
200-2000	40	1 1/2"					•	•
300-3000	40	1 1/2"					•	•
400-4000	50	2"						•
600-6000	50	2"					•	•
1000-10000	50	2"					•	•
1500-15000	63	2 1/2"						•
2500-25000	63	2 1/2"					•	•
10000-50000	63	2 1/2"					•	•

1) With water at 20°C

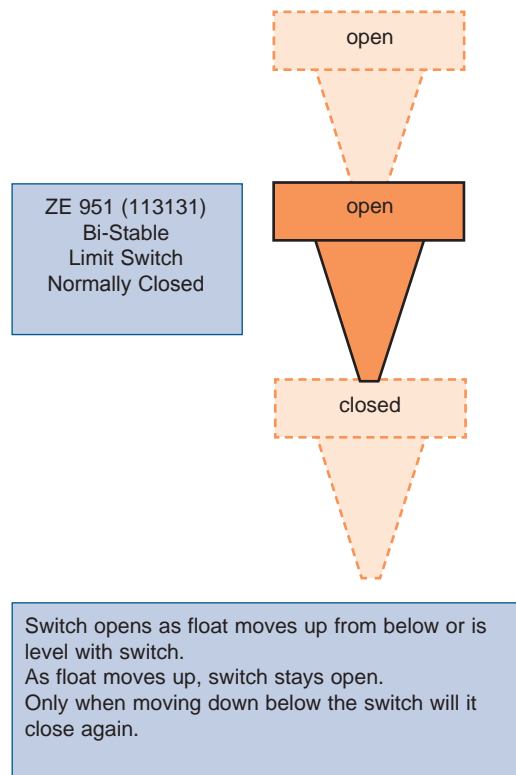
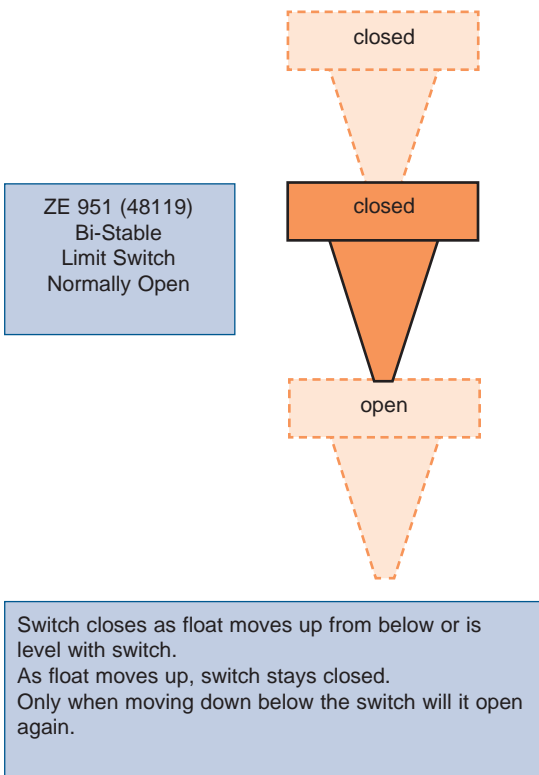


## VAFM Limit Switch Functions

### Monostable



### Bi-Stable



# variable area flowmeters

## ASV Stubbe DFM 165 Flowmeter

**Description:** In-line variable area flowmeter  
**Mounting:** Vertical - flow upwards  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Maximum Fluid Temperature:** PVC-U: 60°C PA: 75°C PSU: 100°C  
**Accuracy:** ±2.5% full scale  
**Scaling:** L/hr H<sub>2</sub>O standard plus 0-100% max flow.  
 Special scales (on request): Air; US GPM; NaOH; FeCl  
**Length:** 165mm



### PVC-U MM Solvent Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
3-24	16	213760	106.81	213972	168.98	213744	112.44	213956	174.94	213776	118.43	213988	180.54
5-60	16	213813	106.81	214025	168.98	213797	112.44	214009	174.94	213829	118.43	214041	180.54
10-100	16	213866	106.81	214078	168.98	213850	112.44	214062	174.94	213882	118.43	214094	180.54
25-250	16	213919	106.81	214131	168.98	213903	112.44	214115	174.94	213935	118.43	214147	180.54

### Polypropylene Fusion Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
3-24	16	47500-3	144.58	47683-3	207.03	47516-3	150.18	47699-3	212.89	213783	156.18	213995	218.68
5-60	16	47501-3	144.58	47684-3	207.03	47517-3	150.18	47700-3	212.89	213836	156.18	214048	218.68
10-100	16	47502-3	144.58	47685-3	207.03	47518-3	150.18	47701-3	212.89	213889	156.18	214101	218.68
25-250	16	47503-3	144.58	47686-3	207.03	47519-3	150.18	47702-3	212.89	213942	156.18	214154	218.68

### PVDF Fusion Socket Connections

Flow Range l/h	Dia. mm	PVDF Tube*				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
3-24	16	213796	288.31	214008	342.51	-	-	-	-	-	-	-	-
5-60	16	213849	288.31	214061	342.51	-	-	-	-	-	-	-	-
10-100	16	213902	288.31	214114	342.51	-	-	-	-	-	-	-	-
25-250	16	213955	288.31	214167	342.51	-	-	-	-	-	-	-	-

\* FPM Seals

### Construction:

**Tube Materials:** PVC-U, PVDF, Polyamid (PA) or Polysulfone (PSU)  
**End Connections:** PVC-U Socket or Spigot Ends Polypropylene or PVDF Sockets  
**Float:** Fully encapsulated PVDF  
**Float Stops:** PVDF  
**O-Rings:** EPDM (FPM on application)

### Options and Spares:

	Code	Price
Limit Reed Switch:		
ZE 950 (Monostable): Normally Open	48118	91.56
ZE 951 (Bistable): Normally Open	48119	121.92
Normally Closed	113131	121.92
Limit Value Switch (use with ZE 950):		
ZE 3060 24V DC	136244	336.07
230V AC	136245	364.19
Contact Protective Relay (use with ZE 950 or ZE 951):		
ZE 3061 24V DC	136239	400.16
230V AC	136240	311.49
Flow Data Sensor:		
ZE 3000 (2 wire)*	137251	954.10
* Flowmeter size and flow rate to be advised at time of order		
Special Scales:		
Air; US GPM; HCl; NaOH; FeCl		on application

## ASV Stubbe DFM 170 Flowmeter

**Description:** In-line variable area flowmeter  
**Mounting:** Vertical - flow upwards  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Maximum Fluid Temperature:** PVC-U: 60°C PA: 75°C PSU: 100°C  
**Accuracy:** ±2.5% full scale  
**Scaling:** L/hr H<sub>2</sub>O standard plus 0-100% max flow.  
**Special scales (on request):** Air; US GPM; NaOH; FeCl  
**Length:** 170mm



### PVC-U Inch Solvent Socket Connections

Flow Range l/h	Dia. inch	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
5-50	1/2	214852	112.44	215180	174.94	214828	118.43	215156	180.54	214876	125.41	215204	187.71
15-150	1/2	214934	112.44	215262	174.94	214910	118.43	215238	180.54	214958	125.41	215286	187.71
25-250	1/2	215016	112.44	215344	174.94	214992	118.43	215320	180.54	215040	125.41	215368	187.71
40-400	1/2	215098	112.44	215426	174.94	215074	118.43	215402	180.54	215122	125.41	215450	187.71

### PVC-U MM Solvent Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
5-50	20	214850	112.44	215118	174.94	214826	118.43	215154	180.54	214874	125.41	215202	187.71
15-150	20	214932	112.44	215260	174.94	214908	118.43	215236	180.54	214956	125.41	215284	187.71
25-250	20	215014	112.44	215342	174.94	214990	118.43	215318	180.54	215038	125.41	215366	187.71
40-400	20	215096	112.44	215424	174.94	215072	118.43	215400	180.54	215130	125.41	215448	187.71

### Polypropylene Fusion Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
5-50	20	47504-3	154.83	47687-3	217.73	47520-3	160.81	47703-3	223.52	214886	167.77	215214	230.29
15-150	20	47505-3	154.83	47688-3	217.73	47521-3	160.81	47704-3	223.52	214968	167.77	215296	230.29
25-250	20	47506-3	154.83	47689-3	217.73	47522-3	160.81	47705-3	223.52	215050	167.77	215378	230.29
40-400	20	47507-3	154.83	47690-3	217.73	47523-3	160.81	47706-3	223.52	215132	167.77	215460	230.29

### PVDF Fusion Socket Connections

Flow Range l/h	Dia. mm	PVDF Tube*				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
5-50	20	214904	304.80	215232	357.99	-	-	-	-	-	-	-	-
15-150	20	214986	304.80	215314	357.99	-	-	-	-	-	-	-	-
25-250	20	215068	304.80	215396	357.99	-	-	-	-	-	-	-	-
40-400	20	215150	304.80	215478	357.99	-	-	-	-	-	-	-	-

\* FPM Seals

### Construction:

**Tube Materials:** PVC-U, PVDF, Polyamid (PA) or Polysulfone (PSU)  
**End Connections:** PVC-U Socket or Spigot Ends Polypropylene or PVDF Sockets  
**Float:** Fully encapsulated PVDF  
**Float Stops:** PVDF  
**O-Rings:** EPDM (FPM on application)

### Options and Spares:

	Code	Price
Limit Reed Switch:		
ZE 950 (Monostable): Normally Open	48118	91.56
ZE 951 (Bistable): Normally Open	48119	121.92
	Normally Closed	113131
Limit Value Switch (use with ZE 950):		
ZE 3060 24V DC	136244	336.07
230V AC	136245	364.19
Contact Protective Relay (use with ZE 950 or ZE 951):		
ZE 3061 24V DC	136239	400.16
230V AC	136240	311.49
Flow Data Sensor:		
ZE 3000 (2 wire)*	137251	954.10
* Flowmeter size and flow rate to be advised at time of order		
Special Scales:		
Air; US GPM; HCl; NaOH; FeCl		on application

## ASV Stubbe DFM 185 Flowmeter

**Description:** In-line variable area flowmeter  
**Mounting:** Vertical - flow upwards  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Maximum Fluid Temperature:** PVC-U: 60°C PA: 75°C PSU: 100°C  
**Accuracy:** ±2.5% full scale  
**Scaling:** L/hr H<sub>2</sub>O standard plus 0-100% max flow.  
 Special scales (on request): Air; US GPM; NaOH; FeCl  
**Length:** 185mm



### PVC-U Inch Solvent Socket Connections

Flow Range l/h	Dia. inch	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
15-150	3/4	216172	118.43	216500	180.54	216148	125.41	216476	187.71	216196	137.21	216524	199.31
40-400	3/4	216254	118.43	216582	180.54	216230	125.41	216558	187.71	216298	137.21	216606	199.31
60-600	3/4	216336	118.43	216664	180.54	216312	125.41	216640	187.71	216360	137.21	216688	199.31
100-1000	3/4	216418	118.43	216746	180.54	216394	125.41	216722	187.71	216442	137.21	216770	199.31

### PVC-U MM Solvent Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
15-150	25	216170	118.43	216498	180.54	216146	125.41	216474	187.71	216194	137.21	216522	199.31
40-400	25	216252	118.43	216580	180.54	216228	125.41	216556	187.71	216276	137.21	216604	199.31
60-600	25	216334	118.43	216662	180.54	216310	125.41	216638	187.71	216358	137.21	216686	199.31
100-1000	25	216416	118.43	216744	180.54	216392	125.41	216720	187.71	216440	137.21	216768	199.31

### Polypropylene Fusion Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
15-150	25	223154	163.71	47691-3	226.40	47524-3	170.68	47707-3	233.18	216206	182.49	216534	244.81
40-400	25	47509-3	163.71	47692-3	226.40	47525-3	170.68	47708-3	233.18	216288	182.49	216616	244.81
60-600	25	47510-3	163.71	47693-3	226.40	47526-3	170.68	47709-3	233.18	216370	182.49	216698	244.81
100-1000	25	223166	163.71	47694-3	226.40	47527-3	170.68	47710-3	233.18	216452	182.49	216780	244.81

### PVDF Fusion Socket Connections

Flow Range l/h	Dia. mm	PVDF Tube*				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
15-150	25	216224	321.23	216552	373.51	-	-	-	-	-	-	-	-
40-400	25	216306	321.23	216634	373.51	-	-	-	-	-	-	-	-
60-600	25	216388	321.23	216716	373.51	-	-	-	-	-	-	-	-
100-1000	25	216470	321.23	216798	373.51	-	-	-	-	-	-	-	-

\* FPM Seals

### Construction:

**Tube Materials:** PVC-U, PVDF, Polyamid (PA) or Polysulfone (PSU)  
**End Connections:** PVC-U Socket or Spigot Ends Polypropylene or PVDF Sockets  
**Float:** Fully encapsulated PVDF  
**Float Stops:** PVDF  
**O-Rings:** EPDM (FPM on application)

### Options and Spares:

	Code	Price
Limit Reed Switch:		
ZE 950 (Monostable):	Normally Open 48118	91.56
ZE 951 (Bistable):	Normally Open 48119	121.92
	Normally Closed 113131	121.92
Limit Value Switch (use with ZE 950):		
ZE 3060	24V DC 136244	336.07
	230V AC 136245	364.19
Contact Protective Relay (use with ZE 950 or ZE 951):		
ZE 3061	24V DC 136239	400.16
	230V AC 136240	311.49
Flow Data Sensor:		
ZE 3000 (2 wire)*	137251	954.10
* Flowmeter size and flow rate to be advised at time of order		
Special Scales:		
Air; US GPM; HCl; NaOH; FeCl		on application

## ASV Stubbe DFM 200 Flowmeter

**Description:** In-line variable area flowmeter  
**Mounting:** Vertical - flow upwards  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Maximum Fluid Temperature:** PVC-U: 60°C PA: 75°C PSU: 100°C  
**Accuracy:** ±2.5% full scale  
**Scaling:** L/hr H<sub>2</sub>O standard plus 0-100% max flow.  
 Special scales (on request): Air; US GPM; NaOH; FeCl  
**Length:** 200mm



### PVC-U Inch Solvent Socket Connections

Flow Range l/h	Dia. inch	PVC-U Tube		Polyamid Tube				Polysulfone Tube					
		Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price		
25-250	1	217492	131.41	217820	193.37	217468	137.21	217796	199.31	217516	150.18	217844	212.89
40-400	1	217574	131.41	217902	193.37	217550	137.21	217818	199.31	217598	150.18	217926	212.89
100-1000	1	217656	131.41	217984	193.37	217632	137.21	217960	199.31	217680	150.18	218008	212.89
150-1500	1	217738	131.41	218066	193.37	217714	137.21	218042	199.31	217762	150.18	218090	212.89

### PVC-U MM Solvent Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube		Polyamid Tube				Polysulfone Tube					
		Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price		
25-250	32	217490	131.41	217818	193.37	217466	137.21	217794	199.31	217514	150.18	217842	212.89
40-400	32	217572	131.41	217900	193.37	217548	137.21	217876	199.31	217596	150.18	217924	212.89
100-1000	32	217654	131.41	217982	193.37	217630	137.21	217958	199.31	217678	150.18	218006	212.89
150-1500	32	217736	131.41	218064	193.37	217712	137.21	218040	199.31	217760	150.18	218088	212.89

### Polypropylene Fusion Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube		Polyamid Tube				Polysulfone Tube					
		Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price		
25-250	32	47512-3	183.07	47695-3	245.72	47528-3	188.87	47711-3	251.57	217526	202.22	217854	264.15
40-400	32	47513-3	183.07	47696-3	245.72	47529-3	188.87	47712-3	251.57	217608	202.22	217936	264.15
100-1000	32	47514-3	183.07	47697-3	245.72	47530-3	188.87	47713-3	251.57	217690	202.22	218018	264.15
150-1500	32	47515-3	183.07	47698-3	245.72	47531-3	188.87	47714-3	251.57	217772	202.22	218100	264.15

### PVDF Fusion Socket Connections

Flow Range l/h	Dia. mm	PVDF Tube*		Polyamid Tube				Polysulfone Tube					
		Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price	Standard Float Code	Magnetic Float Price		
25-250	32	217544	350.90	217872	405.43	-	-	-	-	-	-	-	-
40-400	32	217626	350.90	217954	405.43	-	-	-	-	-	-	-	-
100-1000	32	217708	350.90	218036	405.43	-	-	-	-	-	-	-	-
150-1500	32	217790	350.90	218118	405.43	-	-	-	-	-	-	-	-

\* FPM Seals

### Construction:

**Tube Materials:** PVC-U, PVDF, Polyamid (PA) or Polysulfone (PSU)  
**End Connections:** PVC-U Socket or Spigot Ends Polypropylene or PVDF Sockets  
**Float:** Fully encapsulated PVDF  
**Float Stops:** PVDF  
**O-Rings:** EPDM (FPM on application)

### Options and Spares:

	Code	Price
Limit Reed Switch:		
ZE 950 (Monostable): Normally Open	48118	91.56
ZE 951 (Bistable): Normally Open	48119	121.92
Normally Closed	113131	121.92
Limit Value Switch (use with ZE 950):		
ZE 3060 24V DC	136244	336.07
230V AC	136245	364.19
Contact Protective Relay (use with ZE 950 or ZE 951):		
ZE 3061 24V DC	136239	400.16
230V AC	136240	311.49
Flow Data Sensor:		
ZE 3000 (2 wire)*	137251	954.10
* Flowmeter size and flow rate to be advised at time of order		
Special Scales:		
Air; US GPM; HCl; NaOH; FeCl		on application

# variable area flowmeters

## ASV Stubbe DFM 350 Flowmeter

**Description:** In-line variable area flowmeter  
**Mounting:** Vertical - flow upwards  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Maximum Fluid Temperature:** PVC-U: 60°C PA: 75°C PSU: 100°C  
**Accuracy:** ±2.5% full scale  
**Scaling:** L/hr H<sub>2</sub>O standard plus 0-100% max flow.  
 Special scales (on request): Air; US GPM; NaOH; FeCl  
**Length:** 350mm



## PVC-U Inch Solvent Socket Connections

Flow Range l/h	Dia. inch	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price	Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price	Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price
60-600	1	220042	150.75	220124	207.03	220018	167.61	220100	223.52	220066	195.44	220148	250.60
100-1000	1	220206	150.75	220288	207.03	220182	167.61	220264	223.52	220230	195.44	220312	250.60
150-1500	1 1/4	220370	174.14	220452	218.68	220346	182.49	220428	227.40	220394	205.12	220476	265.09
250-2500	1 1/4	220534	174.14	220616	218.68	220510	182.49	220592	227.40	220558	205.12	220640	265.09
200-2000	1 1/2	220698	191.01	220780	237.06	220674	223.52	220756	267.06	220723	267.06	220804	311.56
300-3000	1 1/2	220862	191.01	220944	237.06	220838	223.52	220920	267.06	220886	267.06	220968	311.56
400-4000	2	221026	279.62	221108	333.83	221002	294.14	221084	348.33	221050	364.80	221132	417.96
600-6000	2	221190	279.62	221272	333.83	221166	294.14	221248	348.33	221214	364.80	221296	417.96
1000-10000	2	221352	279.62	221436	333.83	221330	294.14	221412	348.33	221378	364.80	221460	417.96
1500-15000	2 1/2	221522	525.38	221589	578.61	221502	560.22	221569	614.43	221542	576.33	221609	729.52
2500-25000	2 1/2	221656	525.38	221723	578.61	221636	560.22	221703	614.43	221676	576.33	221743	729.52
10000-50000	2 1/2	221790	525.38	221857	578.61	221770	560.22	221837	614.43	221810	576.33	221877	729.52

## PVC-U MM Solvent Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price	Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price	Standard Float Code	Standard Float Price	Magnetic Float Code	Magnetic Float Price
60-600	32	220040	150.75	220122	207.03	220016	167.61	220098	223.52	220064	195.44	220164	250.60
100-1000	32	220204	150.75	220286	207.03	220180	167.61	220262	223.52	220228	195.44	220310	250.60
150-1500	40	220368	174.15	220450	218.68	220344	182.49	220426	227.40	220392	205.12	220474	265.09
250-2500	40	220532	174.15	220614	218.68	220508	182.49	220590	227.40	220556	205.12	220638	265.09
200-2000	50	220696	191.02	220778	237.06	220672	223.52	220754	267.06	220720	267.06	220802	311.56
300-3000	50	220860	191.02	220942	237.06	220836	223.52	220918	267.06	220884	267.06	220966	311.56
400-4000	63	221024	279.62	221106	333.83	221000	294.14	221082	348.33	221048	364.80	221130	417.96
600-6000	63	221188	279.62	221270	333.83	221164	294.14	221246	348.33	221212	364.80	221294	417.96
1000-10000	63	221352	279.62	221434	333.83	221328	294.14	221410	348.33	221376	364.80	221458	417.96
1500-15000	75	221520	525.38	221587	578.61	221500	549.92	221567	614.43	221540	576.33	221607	729.52
2500-25000	75	221654	525.38	221721	578.61	221634	549.92	221701	614.43	221674	576.33	221741	729.52
10000-50000	75	221788	525.38	221855	578.61	221768	549.92	221835	614.43	221808	576.33	221875	729.52

### Will it be in stock?

Last year we shipped **1 million** metres of pipe, and more than

# 95%

of orders were complete, first time!



## Polypropylene Fusion Socket Connections

Flow Range l/h	Dia. mm	PVC-U Tube				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
60-600	32	46276-3	225.44	47580-3	280.58	46303-3	241.92	47607-3	297.03	220076	247.72	220158	298.98
100-1000	32	46277-3	225.44	47581-3	280.58	46304-3	241.92	47608-3	297.03	220240	247.72	220322	298.98
150-1500	40	46279-3	252.55	223368	296.06	46306-3	261.23	47610-3	305.75	220404	283.50	220486	328.02
250-2500	40	223372	252.55	47584-3	296.06	46307-3	261.23	223374	305.75	220568	283.50	220650	328.02
200-2000	50	46284-3	307.69	47588-3	353.19	46311-3	339.63	47615-3	383.15	220732	383.15	220814	427.65
300-3000	50	222998	307.69	223392	353.19	46312-3	339.63	23390	383.15	220896	383.15	220978	427.65
400-4000	63	223396	341.55	47593-3	381.22	46316-3	352.18	47620-3	392.82	221060	404.46	221142	445.10
600-6000	63	46290-3	341.55	223408	381.22	46317-3	352.18	47621-3	392.82	221224	404.46	221306	445.10
1000-10000	63	223022	455.73	223416	508.96	46318-3	469.29	47622-3	523.45	221388	539.90	221470	593.11
1500-15000	75	223420	608.61	223424	648.28	46322-3	634.71	47626-3	675.37	221550	721.79	221617	761.50
2500-25000	75	223038	608.61	223432	648.28	46323-3	634.71	47627-3	675.37	221684	721.79	221751	761.50
10000-50000	75	127865-3	608.61	223440	648.28	127868-3	634.71	127870-3	675.37	221818	721.79	221885	761.50



## PVDF Fusion Socket Connections

Flow Range l/h	Dia. mm	PVDF Tube*				Polyamid Tube				Polysulfone Tube			
		Standard Float		Magnetic Float		Standard Float		Magnetic Float		Standard Float		Magnetic Float	
		Code	Price	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
60-600	32	220094	399.36	220176	445.09	-	-	-	-	-	-	-	-
100-1000	32	220258	399.36	220340	445.09	-	-	-	-	-	-	-	-
150-1500	40	220422	489.58	220504	522.82	-	-	-	-	-	-	-	-
250-2500	40	220586	489.58	220668	522.82	-	-	-	-	-	-	-	-
200-2000	50	220750	578.61	220832	622.11	-	-	-	-	-	-	-	-
300-3000	50	220914	578.61	220996	622.11	-	-	-	-	-	-	-	-
400-4000	63	221078	845.62	221160	897.91	-	-	-	-	-	-	-	-
600-6000	63	221242	845.62	221324	897.91	-	-	-	-	-	-	-	-
1000-10000	63	221406	845.62	221488	897.91	-	-	-	-	-	-	-	-
1500-15000	75	221564	1068.17	221631	1120.41	-	-	-	-	-	-	-	-
2500-25000	75	221698	1068.17	221765	1120.41	-	-	-	-	-	-	-	-
10000-50000	75	221832	1068.17	221899	1120.41	-	-	-	-	-	-	-	-



\* FPM Seals

### Construction:

**Tube Materials:** PVC-U, PVDF, Polyamid (PA) or Polysulfone (PSU)

**End Connections:** PVC-U Socket or Spigot Ends Polypropylene or PVDF Sockets

**Float:** Fully encapsulated PVDF

**Float Stops:** PVDF

**O-Rings:** EPDM (FPM on application)

### Options and Spares:

	Code	Price
Limit Reed Switch:		
ZE 950 (Monostable): Normally Open	48118	91.56
ZE 951 (Bistable): Normally Open	48119	121.92
Normally Closed	113131	121.92
Limit Value Switch (use with ZE 950):		
ZE 3060 24V DC	136244	336.07
230V AC	136245	364.19
Contact Protective Relay (use with ZE 950 or ZE 951):		
ZE 3061 24V DC	136239	400.16
230V AC	136240	311.49
Flow Data Sensor:		
ZE 3000 (2 wire)*	137251	954.10
* Flowmeter size and flow rate to be advised at time of order		
Special Scales:		
Air; US GPM; HCl; NaOH; FeCl		on application