

GEMÜ 1035

Union end



Features

- High impact resistant, robust material for safe operation
- Physiologically harmless
- Time saving due to quick and easy assembly and dismantling of valves and flowmeters in the pipeline
- Compact design

Description

The GEMÜ 1035 union end can be used for GEMÜ plastic valves and flowmeters and is available in various materials (PVC-U, PP, PVDF) and nominal sizes (DN 10 to 100).

Technical specifications

- **Media temperature :** -10 to 80 °C
- **Ambient temperature:** -10 to 50 °C
- **Operating pressure :** 0 to 10 bar
- **Nominal sizes:** DN 10 to 100
- **Connection types:** Union end
- **Body materials:** PP-H, natural | PVC-U | PVDF
- **Diaphragm materials:** EPDM | FKM

Technical data depends on the respective configuration



Availability

DN	Material		
	PVC-U (code 1)	PP (code 5)	PVDF (code 20)
10	X	X	X
15	X	X	X
20	X	X	X
25	X	X	X
32	X	X	X
40	X	X	X
50	X	X	X
65	X	X	-
80	X	X	-
100	X	X	-

Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Order codes

1 Type	Code
Union end	1035

2 DN	Code
DN 10	10
DN 15	15
DN 20	20
DN 25	25
DN 32	32
DN 40	40
DN 50	50
DN 65	65
DN 80	80
DN 100	100

3 Form	Code
Straight through	D

4 Connection type	Code
Union end with DIN insert (socket) - DIN	7

5 Material	Code
PVC-U, grey	1
PP, grey	5
PVDF	20

6 Seal material	Code
FKM, O-ring	4
EPDM, O-ring	14

Order codes

Ordering option	Code	Description
1 Type	1035	Union end
2 DN	65	DN 65
3 Form	D	Straight through
4 Connection type	7	Union end with DIN insert (socket) - DIN
5 Material	1	PVC-U, grey
6 Seal material	14	EPDM, O-ring

Technical data

Medium

Working medium: Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and diaphragm material.

Temperature

Media temperature: PVC-U, grey (code 1): 10 to 60 °C
PP, grey (code 5): 5 to 80 °C
PVDF (code 20): -10 to 80 °C

Ambient temperature: -10 – 50 °C

Pressure

Operating pressure: 0 – 10 bar

Pressure/temperature correlation:

Material	Code	Temperature in °C (valve body)											
		-10	0	5	10	20	25	30	40	50	60	70	80
PVC-U	1	-	-	-	10,0	10,0	10,0	8,0	6,0	3,5	1,5	-	-
PP	5	-	-	10,0	10,0	10,0	10,0	8,5	7,0	5,5	4,0	2,7	1,5
PVDF	20	10,0	10,0	10,0	10,0	10,0	10,0	9,0	8,0	7,1	6,3	5,4	4,7

All pressures are gauge pressures.

The permissible operating pressure depends on the working medium temperature.

Data for extended temperature ranges on request. Please note that the ambient temperature and media temperature generate a combined temperature at the valve body which must not exceed the above values.

Mechanical data

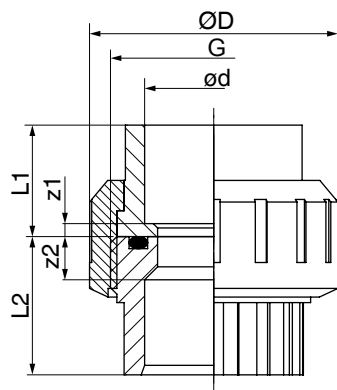
Weight:

DN	Material		
	PVC-U	PP-H	PVDF
10	0.025	0.02	0.025
15	0.041	0.038	0.057
20	0.058	0.062	0.090
25	0.083	0.080	0.118
32	0.147	0.137	0.195
40	0.203	0.136	0.244
50	0.356	0.251	0.403
65	0.614	0.427	-
80	0.920	0.625	-
100	1.434	1.161	-

Weights in kg

Dimensions

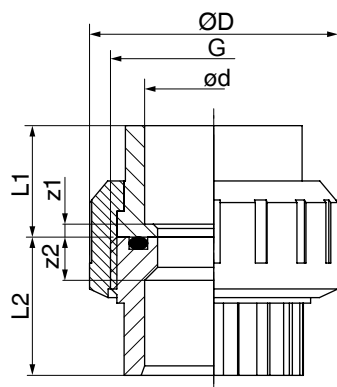
Material PVC-U, grey (code 1)



DN	G	ød	z1	z2	ØD	L1	L2
10	3/4"	16.0	3.0	10.0	35.0	17.0	24.0
15	1"	20.0	3.0	10.0	43.0	19.0	26.0
20	1 1/4"	25.0	3.0	10.0	51.0	22.0	29.0
25	1 1/2"	32.0	3.0	10.0	58.0	25.0	33.0
32	2"	40.0	3.0	12.0	72.0	29.0	39.0
40	2 1/4"	50.0	3.0	14.0	83.0	34.0	46.0
50	2 3/4"	63.0	3.0	18.0	100.0	41.0	58.0
65	Tr108x5	75.0	3.0	18.0	135.0	47.0	62.0
80	Tr128x5	90.0	5.0	18.0	158.0	56.0	69.0
100	Tr154x6	110.0	5.0	11.0	188.0	66.0	72.0

Dimensions in mm

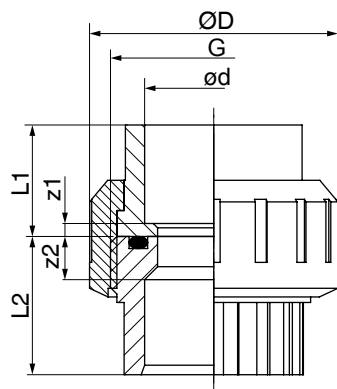
Material PP, grey (code 5)



DN	G	ød	z1	z2	ØD	L1	L2
10	3/4"	16.0	3.0	9.0	35.0	18.0	24.0
15	1"	20.0	3.0	10.0	48.0	19.0	26.0
20	1¼"	25.0	3.0	10.0	58.0	21.0	28.0
25	1½"	32.0	3.0	10.0	65.0	23.0	30.0
32	2"	40.0	3.0	12.0	79.0	25.0	34.0
40	2¼"	50.0	3.0	14.0	91.0	28.0	39.0
50	2¾"	63.0	3.0	18.0	111.0	32.0	47.0
65	S110x5	75.0	3.0	18.0	138.0	36.0	51.0
80	S130x5	90.0	5.0	18.0	161.0	42.0	55.0
100	S155x5	110.0	6.0	12.0	191.0	49.0	54.0

Dimensions in mm

Material PVDF (code 20)



DN	G	ød	z1	z2	ØD	L1	L2
10	3/4"	16.0	5.0	11.0	35.0	18.0	24.0
15	1"	20.0	5.0	12.0	43.0	19.0	26.0
20	1¼"	25.0	5.0	12.0	53.0	21.0	28.0
25	1½"	32.0	5.0	12.0	60.0	23.0	30.0
32	2"	40.0	5.0	14.0	74.0	25.0	34.0
40	2¼"	50.0	5.0	16.0	82.0	28.0	39.0
50	2¾"	63.0	5.0	20.0	100.0	32.0	47.0

Dimensions in mm



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