

Pipe, Fittings,  
Manual Valves &  
Accessories in  
PVC-C

Prices effective  
1st December 2008

All prices  
exclude VAT

PVC-C  
Price List

Not all the products illustrated in this catalogue are available ex-stock, please check availability prior to ordering

## 50 Years of Application Knowledge



Our long experience in plastic piping systems applications is also for your security. Approvals and third party controls are your guarantee for continuously high quality. Many of our products have the necessary approvals of the relevant institutes and thanks to batch identification they are traceable.

### Fields of Application

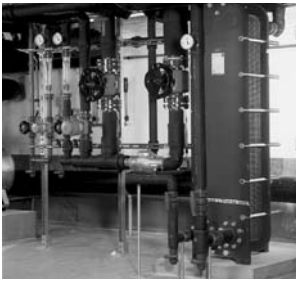
Our specialists are proving their wide material knowledge and their application experience every day in various industries:

- Water treatment
- Waste water treatment
- Galvanics
- Chemical industry
- Automotive industry
- Electronic industry
- Energy
- Swimming pools
- Photo industry
- Chlorine industry
- Mining
- Food
- Refrigeration plants
- Cellulose and paper industry
- Cooling and air conditioning
- Shipbuilding
- Beverage industry
- Exhaust gas cleaning
- Textile industry

### Important Note

The technical data given in this catalogue is for preliminary information purposes only and is published without guarantee. All pictures are for illustrative purposes only and should not be regarded as wholly accurate in every detail. We reserve the right to withdraw or to alter the specification of any product without notice. Please consult our General Conditions of Supply available upon request.

# Quality products with many advantages for professional users



A wide range of products

Pipe  
Fittings  
Manual Valves  
Actuated Valves  
Joining Systems  
Measurement and Control  
Machines and Tools

Available in two standards:  
EN/ISO/DIN and ASTM/ANSI



**Advantage of Quality**

## Compound

Strict quality controls for each raw material delivery form the basis for GF's high quality products.

## Production Knowledge

Thanks to knowledge gained over 40 years we are able to produce our products to exceptionally high tolerances.



Steel    Copper    HDPE    PVC

Energy required for 100m  
pressurised pipe

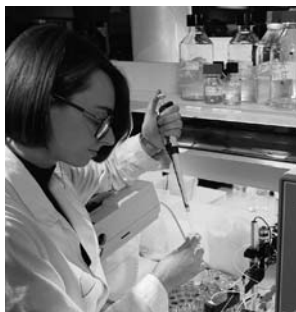
**Advantage for the Environment**

In addition to the economical advantage of PVC-C there are also ecological advantages:  
Preserving diminishing natural resources

Less energy required

Possibility of recycling

Very long life span



**Advantage of Production Quality Control Tests**

Pressure Pulsation Testing

1000h Test

Chemical Resistance

Functions

Temperature Cycling Test

**Independently accredited test laboratory for components of plastic piping systems according to SN EN ISO 45001.**



## **Advantage in Planning**

### **One-stop-shopping for complete systems**

Many customers prefer to purchase the complete piping system from one supplier. Because only systems that are designed to complement each other guarantee easy planning, installation and efficient functioning of the piping system.

### **CAD Product Library**

For drawing and providing a list of orders GF's CAD Product Library is an optimal solution. It can be used with AutoCAD and other CAD systems.



## **Advantage of Choosing the Right Material**

For maximum safety and optimal durability of a piping system the choice of raw material and pressure class of the pipe parts is highly important. The raw materials suitability to the medium can be checked with the help of our chemical resistance information.



## **Advantage of Installation Technique**

Solvent cement jointing is simple, fast, economical and very reliable.

Over 100 million homogenous joints have been made over the total lifetime of piping systems, achieving the highest quality requirements.



## **Advantage of Support**

### **Training**

GF offers training courses at our Coventry headquarters and at customer's premises. For solvent cement jointing we can also supply video instruction.

### **Worldwide Distribution**

GF has a global presence and our sales offices can supply you with complete technical advice, punctual distribution and fast service in almost every corner of the world.

# GF quality is no coincidence!

More than 50 years of research, development and experience have shaped our high standard of quality. You will find your application solution in our extensive product range.

## Solvent Cement Jointed Systems

### PVC-C

#### Post-chlorinated PVC-C

##### Range of sizes:

d16 - d225mm

##### Resistant to:

Acids and alkalis at high temps (max. 90°C) and high concentrations.

##### Recommended Applications:

Hot and aggressive mediums, high temperature, high corrosive environments, chemical industry generally (e.g. mixed acid waste) and hot water industrial applications.

(Always check GF's chemical resistance tables)

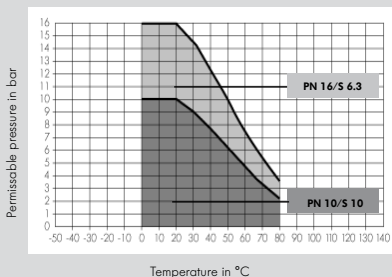
##### Not recommended for:

Aromatic solvents, ester, ketones, chlorinated hydrocarbons.

Low temperatures uses (<0°C)

### Application Limits for Pipes and Fittings in PVC-C

25 year values with Design Factor C included at 20°C water



These diagrams are subject to adaptations to new European standards about to be issued. Ask your GF dealer for more information.

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## List of abbreviations

AL	Number of bolt holes
ANSI	American National Standard Institute
CR	Chloroprene Rubber, e.g. Neopren®
d	Pipe outside diameter
DIN	German standard
DN	Nominal bore
e	Wall thickness
EPDM	Ethylene Propylene Rubber
FM	Fusion Method
FPM	Fluorine Rubber, e.g. Viton®
kg	Weight in kilograms
G	Pipe thread, not pressure tight in the thread to ISO 288
HTR	High Temperature Resistant
ISO	International Standardization Organisation
Ms	Brass
NBR	Nitrile Rubber
NPT	Taper male thread pressure tight in the thread to ANSI B 1.20.1
PA	Polyamide
PBTP	Polybutylene therephthalate
PE	Polyethylene
PN	Nominal pressure at 20°C, water
PP	Polypropylene, heat stabilised
PTFE	Polytetrafluorethylene, e.g. Teflon®
PVC-C	Polyvinyl Chloride, chlorinated
PVDF	Polyvinylidene fluoride
R	Taper male thread, pressure tight in the thread to ISO 7
Rp	Parallel female thread, pressure tight in the thread to ISO 7
®	Registered trade-mark
s	Across flats
SAN	Styrene-acrylonitrile
SC	Size of hexagon bolts
SP	Standard pack. The figure given indicates the quantity of fittings contained in a standard pack
St	Steel
Tg	Malleable Iron
™	Trade-mark
Tr	Trapezoid thread
PP-GF	Polypropylene, glassfibre reinforced



# PVC-C Pressure Piping Systems

## General Information

PVC-C is a post-chlorinated polyvinylchloride that has been in use in many and varied industrial applications since 1957. PVC-C is in many ways similar to PVC-U due to their similarity in chemical structure, however PVC-C offers, in comparison to PVC-U, better mechanical strength characteristics especially at high temperatures together with better chemical resistance. The flame retardation performance of PVC-C is also better than of PVC-U. These properties have led to PVC-C being used in many wide and varying applications, not only as piping system components but also in semi-finished product applications in the chemical and aerospace industries for example.

As a pressure piping system PVC-C lends itself to highly corrosive environments where the likes of stainless steel and even GRP have relative short life spans. Semifinished products, pumps, valves and all the standard accessories required for the transmission of fluids can be found in PVC-C.

## Some Advantages of PVC-C as a Piping System:

- Excellent chemical resistance
- Long life span even in highly corrosive conditions
- Low material costs
- Quick and easy installation
- Very low maintenance costs
- Smooth internal surface
- No natural corrosion
- No electrolytic corrosion
- Very low thermal conductivity

## Chemical Resistance

PVC-C has an excellent chemical resistance. It offers a wide ranging chemical resistance against many aggressive mediums at high temperatures and high concentrations.

For example PVC-C is resistant to sodium chlorites, chlorates and hypochlorites, many varied mixed acid solutions and chlorine gas.

The above is also true, with certain exceptions, for the joint that is achieved using a gap filling solvent cement containing PVC-C.

If in any doubt, please consult the GF chemical resistance list or your local GF representative.

## Physical Properties

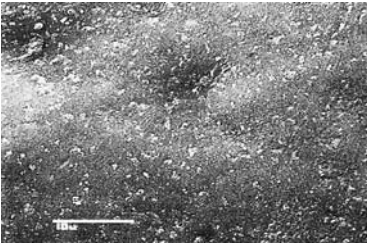
GF's PVC-C Piping System fulfills internationally recognised standards whereby the Vicat point (softening point) of the pipe raw material lies over 110°C and for the fittings over 103°C.

GF recommends a working temperature range of 0°C to 80°C for PVC-C. For limited times PVC-C can be used up to 90°C - please consult GF for advice on any applications outside of our standard guidelines. The physical advantages of the material become most apparent at temperatures between +40°C and +80°C. All components sold by GF, including the joint, have a design factor of 2.5.

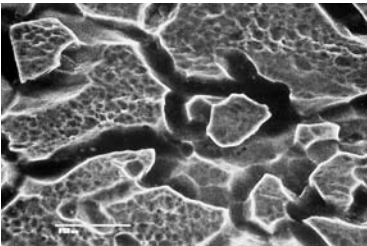
The system has been designed based on pipe series 6.25 or SDR 13.5 to ISO 4065. PN 16 to DIN 8079.

Another excellent physical characteristic of PVC-C is its very smooth internal surface which not only reduces pressure losses to a minimum but also offers very low bacterial growth possibilities and thus a high level of cleanliness.

The following pictures show the roughness of PVC-C pipe in comparison with standard stainless steel.



PVC-C Ra value 0.07µm  
Rt value 0.6µm



V4A Stainless Steel  
Rt Value 3.37µm

## Burning Characteristics

PVC-C is not self-burning. PVC-C releases very little energy itself (i.e. it has a very low heat of combustion) and is therefore classified as non-combustible. To DIN 4102 part 2 PVC-C is classified under section B1, i.e. difficult to ignite. Colour: RAL 7038 aqate grey.

## **Electrical Properties**

PVC-C is, like all standard thermoplastics, non-conducting. This means that PVC-C systems incur no electrolytic corrosion. On the other hand the non-conducting properties must be taken into account as electrostatic charge can build up on the pipe. Please take special care in environments where explosive gases may exist. Various methods exist to avoid the build-up of static charge on plastic pipes, please consult your GF representative for advice.

## **Weathering**

PVC-C can resist prolonged exposure to sunlight, wind and rain. However PVC-C will lose some of its impact resistance under exposure to UV light and therefore painting the pipework (with solvent free paint) or protecting it in some other way from direct exposure to UV light is beneficial.

## **Limitations**

The following limitations of PVC-C should be observed:

- Use with gases should be checked as gas installations often suffer pressure surges.
- PVC-C cannot be used with most organic solvents, chlorinated or aromatic hydrocarbons, esters and ketones prior testing is recommended when used with oils, lacquers and greases.

If in any doubt, please consult the GF chemical resistance list and or your local GF representative.

## **Standards**

The GF pipe and fittings are produced in accordance to DIN 8079/8080 and ISO 727.

## **WRAS Approval**

Water Regulators Advisory Scheme - approved material for potable water.

## Temperature/Pressure Relationship and Life Span


The GF PVC-C Piping System has excellent temperature resistance over a wide temperature scale. It is a basic fundamental of thermoplastic plastic piping systems that if the temperature is increased then the pressure rating must be reduced. See the temperature/pressure table below for details. All values are based on water as the medium, with a life span of 25 years with a built-in design factor of 2.5.

Temperatures °C	PN 16 bar	PN 10 bar
0	16	10
20	16	10
30	16	10
40	14.5	9
50	12	7.5
60	9	5.6
70	6	3.8
80	3	2.0

## Pipe PVC-C Metric

### Pipe, PVC-C, Nominal Pressure PN16 (at 20°C)


- Pipe length 5m, with plain ends
- Minimum order quantity / length



d	Code	£/m	SP	kg per m
16	163 017 130	3.07	-	0.136
20	163 017 131	4.78	-	0.217
25	163 017 132	7.08	-	0.326
32	163 017 133	7.28	-	0.379
40	163 017 134	10.75	-	0.582
50	163 017 135	16.56	-	0.896
63	163 017 136	26.57	-	1.430
75	163 017 137	38.74	-	2.200
90	163 017 138	60.04	-	2.880
110	163 017 139	89.98	-	4.310
160	163 017 142	218.63	-	9.040

### Pipe, PVC-C, Nominal Pressure PN10 (at 20°C)

- Pipe length 5m, with plain ends
- Minimum order quantity / length



d	Code	£/m	SP	kg per m
75	163 017 187	33.97	-	1.350
90	163 017 188	46.83	-	1.930
110	163 017 189	70.11	-	2.890
160	163 017 192	144.61	-	6.060
225	163 017 195	294.29	-	11.900

# Pipe Fittings PVC-C for Solvent Cement Jointing

## 23 00 01 Bend 90°, PVC-C



d	Code	£	SP	kg
20	723 000 106	10.94	10	0.030
25	723 000 107	9.50	-	0.055
32	723 000 108	12.62	-	0.075
40	723 000 109	17.91	-	0.276
50	723 000 110	24.72	-	0.297
63	723 000 111	31.30	-	0.574
75	723 000 112	73.34	-	0.830
90	723 000 113	80.05	-	1.489
110	723 000 114	142.94	-	2.965
160	723 000 117	366.61	-	7.950

## 23 01 01 Bend 90° short pattern, PVC-C



d	Code	£	SP	kg
225	723 010 120	396.88	-	7.950

## 23 10 01 Elbow 90°, PVC-C



d	Code	£	SP	kg
16	723 100 105	2.05	-	0.010
20	723 100 106	2.32	-	0.014
25	723 100 107	2.56	-	0.026
32	723 100 108	3.21	-	0.046
40	723 100 109	5.79	-	0.082
50	723 100 110	7.62	-	0.138
63	723 100 111	12.28	-	0.257
75	723 100 112	28.33	-	0.439
90	723 100 113	46.67	-	0.606
110	723 100 114	76.00	-	1.625
160	723 100 117	258.98	-	3.120

## 23 15 01 Elbow 45°, PVC-C



d	Code	£	SP	kg
16	723 150 105	3.37	10	0.005
20	723 150 106	3.60	10	0.011
25	723 150 107	3.87	10	0.020
32	723 150 108	5.03	10	0.029
40	723 150 109	7.22	5	0.052
50	723 150 110	8.75	5	0.094
63	723 150 111	13.45	5	0.172
75	723 150 112	30.94	-	0.277
90	723 150 113	46.06	-	0.630
110	723 150 114	74.76	-	1.151
160	723 150 117	169.85	-	2.400
225	723 150 120	366.61	-	4.460

## 23 20 01 Tee 90°, PVC-C



d	Code	£	SP	kg
16	723 200 105	2.71	10	0.014
20	723 200 106	2.97	10	0.020
25	723 200 107	3.21	10	0.034
32	723 200 108	4.25	10	0.060
40	723 200 109	6.42	10	0.106
50	723 200 110	9.82	-	0.186
63	723 200 111	16.23	-	0.360
75	723 200 112	37.33	-	0.645
90	723 200 113	63.15	-	1.118
110	723 200 114	101.74	-	2.400
160	723 200 117	289.24	-	5.280
225	723 200 120	573.46	-	9.550

## 23 25 01 Tee 45°, PVC-C



d	Code	£	SP	kg
20	723 250 106	7.62	10	0.039
25	723 250 107	8.12	10	0.061
32	723 250 108	10.17	10	0.105
40	723 250 109	16.73	-	0.171
50	723 250 110	19.59	-	0.287
63	723 250 111	31.78	-	0.445
75	723 250 112	62.23	-	0.870
90	723 250 113	100.06	-	1.350
110	723 250 114	188.34	-	2.695

## 23 30 01 Cross, PVC-C



d	Code	£	SP	kg
32	723 300 108	15.64	-	0.101
63	723 300 111	42.38	-	0.528

## 23 20 01 Tee 90° reducing, PVC-C

Items marked \* are Tee 90° delivered with the required reducing bush(es)



d-d1-d	Code	£	SP	kg
25-20-25	723 200 134	4.77	-	0.042
32-25-32	723 200 138	6.20	-	0.070
40-25-40	723 200 151	8.47	-	0.120
40-32-40	723 200 147	8.47	-	0.120
50-20-50	723 200 009	12.02	-	0.196
50-25-50	723 200 010	12.02	-	0.200
50-32-50	723 200 164	12.02	-	0.200
63-25-63	723 200 011	19.41	-	0.360
63-32-63	723 200 178	19.41	-	0.368
63-50-63	723 200 170	19.14	-	0.386
*75-63-75	723 200 184	44.81	-	0.766
*90-32-90	723 200 142	75.26	-	1.436
*90-63-90	723 200 145	75.26	-	1.348
*110-32-110	723 200 135	121.93	-	2.796
*110-90-110	723 200 137	121.93	-	2.677



## 23 91 01 Socket, PVC-C



d	Code	£	SP	kg
16	723 910 105	1.90	10	0.006
20	723 910 106	1.90	10	0.010
25	723 910 107	2.05	10	0.015
32	723 910 108	2.56	10	0.024
40	723 910 109	3.87	10	0.049
50	723 910 110	4.65	10	0.069
63	723 910 111	7.75	10	0.127
75	723 910 112	17.98	-	0.199
90	723 910 113	30.94	-	0.347
110	723 910 114	47.68	-	0.760
160	723 910 117	105.94	-	1.600
225	723 910 120	267.38	-	3.750


## 23 90 03 Reducing Bush, PVC-C (short pattern)



d-d1	Code	£	SP	kg
20-16	723 900 334	1.56	-	0.004
25-20	723 900 337	1.90	-	0.004
32-20	723 900 342	2.85	-	0.015
32-25	723 900 341	2.85	10	0.009
40-20	723 900 348	3.09	10	0.023
40-25	723 900 347	3.09	10	0.024
40-32	723 900 346	3.09	-	0.017
50-20	723 900 355	3.87	10	0.036
50-25	723 900 354	3.87	10	0.038
50-32	723 900 353	3.87	-	0.051
50-40	723 900 352	3.87	-	0.031
63-32	723 900 360	5.17	-	0.088
63-40	723 900 359	5.17	10	0.067
63-50	723 900 358	5.17	-	0.065
75-50	723 900 365	8.24	10	0.105
75-63	723 900 364	8.24	-	0.111
90-50	723 900 372	15.46	-	0.195
90-63	723 900 371	15.46	-	0.231
90-75	723 900 370	15.46	-	0.149
110-63	723 900 378	21.60	-	0.334
110-90	723 900 376	21.60	-	0.279
160-110	723 900 390	71.13	-	0.950
225-160	723 900 396	184.99	-	2.380


## 23 91 03 Reducing Bush Long, PVC-C

- With spigot and solvent cement socket



d-d1	Code	£	SP	kg
32-20	723 910 342	3.01	-	0.023
40-25	723 910 347	3.75	10	0.033
50-25	723 910 354	4.72	10	0.059
63-32	723 910 360	7.29	5	0.110
75-40	723 910 366	20.52	5	0.165
90-63	723 910 371	31.63	-	0.313

## 23 96 01 Cap, PVC-C




d	Code	£	SP	kg
16	723 960 105	1.90	-	0.008
20	723 960 106	1.90	-	0.011
25	723 960 107	2.56	10	0.019
32	723 960 108	3.87	-	0.027
40	723 960 109	5.42	-	0.047
50	723 960 110	7.75	-	0.064
63	723 960 111	10.60	-	0.127
75	723 960 112	20.85	-	0.160
90	723 960 113	26.32	-	0.316
110	723 960 114	39.18	-	0.690
160	723 960 117	111.00	-	1.550

## Adaptor Fittings, PVC-C

### 23 10 02 Elbow 90°, PVC-C Metric Rp


- With solvent cement socket and parallel female thread Rp
- Reinforcing ring stainless A2
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PVC-C



d - Rp	Code	£	SP	kg
20- <sup>1</sup> / <sub>2</sub>	723 100 206	8.47	-	0.024
25- <sup>3</sup> / <sub>4</sub>	723 100 207	9.24	-	0.037
32-1	723 100 208	11.11	-	0.064
40-1 <sup>1</sup> / <sub>4</sub>	723 100 209	18.24	-	0.157
50-1 <sup>1</sup> / <sub>2</sub>	723 100 210	26.07	-	0.200
63-2	723 100 211	35.07	-	0.376

### 23 91 02 Socket, PVC-C Metric-Rp


- With solvent cement socket and parallel female thread Rp
- Reinforcing ring stainless A2
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PVC-C



d-Rp	Code	£	SP	kg
20- <sup>1</sup> / <sub>2</sub>	723 910 206	6.20	10	0.027
25- <sup>3</sup> / <sub>4</sub>	723 910 207	7.22	10	0.035
32-1	723 910 208	9.82	5	0.061
40-1 <sup>1</sup> / <sub>4</sub>	723 910 209	12.36	10	0.094
50-1 <sup>1</sup> / <sub>2</sub>	723 910 210	16.40	10	0.133
63-2	723 910 211	20.35	5	0.220

### 23 91 04 Reducing Bush, PVC-C Metric-Rp

- With solvent cement spigot and parallel female thread Rp
- Reinforcing ring stainless A2
- Connection to plastic or metal threads
- Do not use thread sealing pastes that are harmful to PVC-C



d-Rp	Code	£	SP	kg
20- <sup>3</sup> / <sub>8</sub>	723 910 434	5.60	10	0.016
25- <sup>1</sup> / <sub>2</sub>	723 910 437	6.42	10	0.023
32- <sup>3</sup> / <sub>4</sub>	723 910 441	8.58	10	0.035
40-1	723 910 446	13.38	10	0.064
50-1 <sup>1</sup> / <sub>4</sub>	723 910 452	20.43	10	0.105
63-1 <sup>1</sup> / <sub>2</sub>	723 910 458	26.25	5	0.153

## 23 91 05 Adaptor Nipple, PVC-C Metric-R

- With solvent cement spigot and taper male thread R
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C



d-R	Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 910 505	3.37	-	0.012

## 23 91 05 Adaptor Socket-Nipple, PVC-C Metric-R

- With solvent cement spigot/socket and taper male thread R
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C



d-d1-R	Code	£	SP	kg
16-20- <sup>1</sup> / <sub>2</sub>	723 910 556	3.37	10	0.018
20-25- <sup>3</sup> / <sub>4</sub>	723 910 557	3.87	10	0.026
25-32-1	723 910 558	4.38	10	0.044
32-40-1 <sup>1</sup> / <sub>4</sub>	723 910 559	5.66	10	0.072
40-50-1 <sup>1</sup> / <sub>2</sub>	723 910 560	8.24	10	0.101
50-63-2	723 910 561	11.36	5	0.173

## 23 96 04 Hose Nozzle, PVC-C Metric

- With solvent cement spigot and parallel hose connection for use under pressure




d	Code	£	SP	kg
16	723 960 405	2.87	10	0.010
20	723 960 406	3.87	10	0.016
25	723 960 407	4.28	10	0.023
32	723 960 408	5.03	-	0.038

## Flange Adaptors PVC-C

### 23 79 01 Flange Adaptor with serrated face, PVC-C


- Jointing face: Serrated
- Counterpart: same flange adaptor with serrated face, 23 79 01
- Gasket: Flange gasket EPDM No. 48 40 01 or FPM No. 49 40 01 to be ordered separately
- d160 and d225 can be used as a flat or serrated flange adaptor



d	Code	£	SP	kg
20	723 790 106	2.05	10	0.012
25	723 790 107	2.32	-	0.018
32	723 790 108	3.09	10	0.026
40	723 790 109	4.38	-	0.044
50	723 790 110	6.97	-	0.060
63	723 790 111	13.70	10	0.106
75	723 790 112	22.20	-	0.167
90	723 790 113	25.47	-	0.271
110	723 790 114	35.83	-	0.432
160	723 790 117	90.82	-	1.200
200	723 790 119	208.79	-	1.630
225	723 790 120	232.07	-	1.900

### 23 81 01 Flange Adaptor with O-ring groove, PVC-C

- Jointing face: With O-ring groove
- Counterpart: Flange Adaptor No. 23 79 01
- Gasket: O-ring No. 48 41 01 EPDM or No. 49 41 01 FPM to be ordered separately



d	Code	£	SP	kg
160	723 810 117	98.39	-	1.300
225	723 810 120	247.20	-	2.050

# Unions PVC-C

## 23 51 01 Union, PVC-C

- Union End: Solvent cement socket
- Union Bush: Solvent cement socket
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00



d	EPDM Code	£	SP	kg
16	723 510 105	9.00	10	0.027
20	723 510 106	10.10	10	0.044
25	723 510 107	11.36	10	0.072
32	723 510 108	15.89	10	0.098
40	723 510 109	18.83	10	0.167
50	723 510 110	26.49	2	0.098
63	723 510 111	41.78	-	0.400
75	723 510 112	91.63	-	0.670
90	723 510 113	106.78	-	1.008
110	723 510 114	131.18	-	1.553
d	FPM Code	£	SP	kg
16	723 510 130	11.35	-	0.027
20	723 510 131	14.18	-	0.044
25	723 510 132	16.71	-	0.072
32	723 510 133	20.78	-	0.098
40	723 510 134	29.81	-	0.167
50	723 510 135	38.36	-	0.098
63	723 510 136	58.91	-	0.400
75	723 510 137	122.02	-	0.670
90	723 510 138	142.48	-	1.008
110	723 510 139	196.74	-	1.553

## Adaptor Unions PVC-C

### 23 51 02 Adaptor Union, PVC-C Metric-Rp

- Union End: Solvent cement socket
- Union Bush: Parallel female thread Rp
- Gasket: O-Ring EPDM No. 48 41 00, O-Ring FPM No. 49 41 00
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C



d-Rp	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 510 205	14.87	-	0.022
20- <sup>1</sup> / <sub>2</sub>	723 510 206	17.16	-	0.040
25- <sup>3</sup> / <sub>4</sub>	723 510 207	18.58	-	0.065
32-1	723 510 208	24.64	-	0.103
40-1 <sup>1</sup> / <sub>4</sub>	723 510 209	31.36	-	0.174
50-1 <sup>1</sup> / <sub>2</sub>	723 510 210	38.69	-	0.239
63-2	723 510 211	63.99	-	0.435
d-Rp	FPM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 510 230	18.17	-	0.022
20- <sup>1</sup> / <sub>2</sub>	723 510 231	23.45	-	0.040
25- <sup>3</sup> / <sub>4</sub>	723 510 232	26.49	-	0.065
32-1	723 510 233	31.36	-	0.103
40-1 <sup>1</sup> / <sub>4</sub>	723 510 234	47.91	-	0.174
50-1 <sup>1</sup> / <sub>2</sub>	723 510 235	54.58	-	0.239
63-2	723 510 236	87.45	-	0.435

### 23 51 41 Adaptor Union, PVC-C Metric-ASTM Inch

- Union End: Solvent cement socket ASTM Inch
- Union Bush: Solvent cement socket metric
- Gasket: O-Ring EPDM No. 48 41 00, O-Ring FPM No. 49 41 00



d-inch	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 514 105	11.76	-	0.022
20- <sup>1</sup> / <sub>2</sub>	723 514 106	13.19	-	0.047
25- <sup>3</sup> / <sub>4</sub>	723 514 107	15.40	-	0.065
32-1	723 514 108	20.93	-	0.103
40-1 <sup>1</sup> / <sub>4</sub>	723 514 109	25.31	-	0.174
50-1 <sup>1</sup> / <sub>2</sub>	723 514 110	35.40	-	0.239
63-2	723 514 111	55.75	-	0.435
d-Rp	FPM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 514 130	14.48	-	0.022
20- <sup>1</sup> / <sub>2</sub>	723 514 131	17.98	-	0.047
25- <sup>3</sup> / <sub>4</sub>	723 514 132	22.12	-	0.065
32-1	723 514 133	26.57	-	0.103
40-1 <sup>1</sup> / <sub>4</sub>	723 514 134	38.69	-	0.174
50-1 <sup>1</sup> / <sub>2</sub>	723 514 135	49.94	-	0.239
63-2	723 514 136	76.44	-	0.435

## 23 54 02 Adaptor Union, Stainless Steel/PVC-C Metric-Rp


- Union End: Stainless Steel 316L parallel female thread Rp
- Union Bush: Solvent cement socket PVC-C
- Union Nut: PVC-C
- Gasket: O-ring gasket EPDM No. 48 41 00, FPM No. 49 41 00



d-Rp	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 540 205	34.29	-	0.053
20- <sup>1</sup> / <sub>2</sub>	723 540 206	36.34	-	0.096
25- <sup>3</sup> / <sub>4</sub>	723 540 207	38.95	-	0.154
32-1	723 540 208	45.66	-	0.212
40-1 <sup>1</sup> / <sub>4</sub>	723 540 209	61.81	-	0.356
50-1 <sup>1</sup> / <sub>2</sub>	723 540 210	73.93	-	0.455
63-2	723 540 211	95.02	-	0.721
d-Rp	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 540 230	35.31	-	0.053
20- <sup>1</sup> / <sub>2</sub>	723 540 231	38.26	-	0.096
25- <sup>3</sup> / <sub>4</sub>	723 540 232	41.63	-	0.154
32-1	723 540 233	48.35	-	0.212
40-1 <sup>1</sup> / <sub>4</sub>	723 540 234	67.76	-	0.356
50-1 <sup>1</sup> / <sub>2</sub>	723 540 235	80.65	-	0.455
63-2	723 540 236	103.43	-	0.721

## 23 54 07 Adaptor Union, Stainless Steel/PVC-C Metric-R

- Union End: Stainless steel 316L taper male thread R
- Union Bush: Solvent cement socket PVC-C
- Union Nut: PVC-C
- Gasket: O-ring gasket EPDM NO. 48 41 00, FPM No. 49 41 00



d-R	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 540 705	35.31	-	0.073
20- <sup>1</sup> / <sub>2</sub>	723 540 706	36.93	-	0.126
25- <sup>3</sup> / <sub>4</sub>	723 540 707	40.29	-	0.174
32-1	723 540 708	46.99	-	0.262
40-1 <sup>1</sup> / <sub>4</sub>	723 540 709	64.49	-	0.476
50-1 <sup>1</sup> / <sub>2</sub>	723 540 710	75.17	-	0.535
63-2	723 540 711	114.36	-	0.931
d-R	EPDM Code	£	SP	kg
16- <sup>3</sup> / <sub>8</sub>	723 540 730	36.50	-	0.073
20- <sup>1</sup> / <sub>2</sub>	723 540 731	39.60	-	0.126
25- <sup>3</sup> / <sub>4</sub>	723 540 732	42.96	-	0.174
32-1	723 540 733	49.68	-	0.262
40-1 <sup>1</sup> / <sub>4</sub>	723 540 734	69.79	-	0.476
50-1 <sup>1</sup> / <sub>2</sub>	723 540 735	82.00	-	0.535
63-2	723 540 736	121.93	-	0.931



## 23 54 55 Adaptor Union, Stainless Steel/PVC-C Metric - Welding End

- Union End: Stainless steel 316L with welding end
- Union Bush: Solvent cement socket PVC-C
- Union Nut: Stainless steel 316L
- Gasket: O-ring Gasket EPDM No. 48 41 00, FPM No. 49 41 00



d-d1	EPDM Code	£	SP	kg
16-17.2	723 545 505	40.94	-	0,101
20-21.3	723 545 506	48.35	-	0,176
25-26.9	723 545 507	57.26	-	0,204
32-33.7	723 545 508	67.19	-	0,313
40-42.4	723 545 509	94.18	-	0,493
50-48.3	723 545 510	103.43	-	0,566
63-60.3	723 545 511	141.25	-	0,902
d-d1	FPM Code	£	SP	kg
16-17.2	723 545 530	41.63	-	0,101
20-21.3	723 545 531	51.03	-	0,176
25-26.9	723 545 532	57.77	-	0,204
32-33.7	723 545 533	69.79	-	0,313
40-42.4	723 545 534	99.22	-	0,493
50-48.3	723 545 535	110.16	-	0,566
63-60.3	723 545 536	148.83	-	0,902

## 23 53 03 Adaptor Union, Malleable Iron/PVC-C Metric-Rp

- Union Bush: PVC-C solvent cement socket
- Union End: Malleable iron galvanized, parallel female thread
- Union Nut: PVC-C
- Gasket: O Ring EPDM No. 48 41 00



d-Rp	Code	£	SP	kg
20-1/2	723 530 306	8.75	-	0,075
25-3/4	723 530 307	10.10	-	0,112
32-1	723 530 308	12.53	-	0,157
40-1 1/4	723 530 309	17.59	-	0,300
50-1 1/2	723 530 310	22.95	-	0,384
63-2	723 530 311	35.31	-	0,603

## 23 53 08 Adaptor Union, Malleable Iron/PVC-C Metric-R

- Union Bush: Solvent cement socket PVC-C
- Union End: Malleable iron galvanised, taper male thread R
- Union Nut: PVC-C
- Gasket: O-Ring EPDM No. 48 41 00



d-R	Code	£	SP	kg
20-1/2	723 530 806	7.86	-	0,114
25-3/4	723 530 807	10.00	-	0,165
32-1	723 530 808	13.19	-	0,205
40-1 1/4	723 530 809	17.83	-	0,403
50-1 1/2	723 530 810	24.22	-	0,539
63-2	723 530 811	36.93	-	0,787

## 23 55 03 Adaptor Union Brass/PVC-C Metric-Rp

- Union Bush: Solvent cement socket PVC-C
- Union End: Brass, parallel female thread Rp
- Union Nut: PVC-C
- Gasket: O Ring EPDM No. 48 41 00



d-Rp	Code	£	SP	kg
20-1/2	723 550 306	16.49	1	0,086
25-3/4	723 550 307	20.69	1	0,123
32-1	723 550 308	23.87	1	0,184
40-1 1/4	723 550 309	33.37	1	0,336
50-1 1/2	723 550 310	39.93	1	0,414
63-2	723 550 311	51.54	1	0,702

## 23 55 08 Adaptor Union Brass/PVC-C Metric-R

- Union Bush: Solvent cement socket PVC-C
- Union End: Brass, taper male thread R
- Union Nut: PVC-C
- Gasket: O Ring EPDM No. 48 41 00



d-R	Code	£	SP	kg
20-1/2	723 550 806	17.40	-	0.125
25-3/4	723 550 807	21.60	-	0.178
32-1	723 550 808	26.32	-	0.270
40-1 1/4	723 550 809	36.81	-	0.644
50-1 1/2	723 550 810	45.15	-	0.597
63-2	723 550 811	56.66	-	0,972

## PVC-C Union Spare Parts

### 23 60 01 Union End, PVC-C Metric

- Solvent cement socket metric



d	Code	£	SP	kg
16	723 600 105	1.80	-	0.005
20	723 600 106	1.80	-	0.010
25	723 600 107	2.05	-	0.018
32	723 600 108	2.85	-	0.023
40	723 600 109	3.87	-	0.062
50	723 600 110	7.22	-	0.064
63	723 600 111	10.60	-	0.120
75	723 600 162	14.36	-	0.157
90	723 600 163	16.49	-	0.260
110	723 600 164	20.85	-	0.418

### 23 60 20 Union End, PVC-C ASTM Inch

- Solvent cement socket ASTM inch



inch	Code	£	SP	kg
$\frac{3}{8}$	723 602 005	2.03	-	0.007
$\frac{1}{2}$	723 602 006	2.03	-	0.010
$\frac{3}{4}$	723 602 007	2.47	-	0.017
1	723 602 008	3.31	-	0.024
$1\frac{1}{4}$	723 602 009	4.43	-	0.040
$1\frac{1}{2}$	723 602 010	8.28	-	0.057
2	723 602 011	12.19	-	0.096

### 23 64 01 Union Bush, PVC-C Metric


- For union 23 51 01
- Solvent cement socket
- Jointing face: With O-ring groove
- Gasket: O-ring EPDM No. 48 41 00



d	Code	£	SP	kg
16	723 640 105	3.60	-	0.009
20	723 640 106	3.60	-	0.014
25	723 640 107	3.87	-	0.024
32	723 640 108	5.93	-	0.034
40	723 640 109	6.71	-	0.058
50	723 640 110	9.00	-	0.079
63	723 640 111	11.59	-	0.147
75	723 640 112	34.22	-	0.230
90	723 640 113	37.85	-	0.345
110	723 640 114	43.31	-	0.480


## 23 64 06 Union Bush PVC-C Rp

- Parallel female thread Rp
- Jointing face: With O-ring groove
- Gasket: O-Ring EPDM No. 48 41 00, FPM No. 49 41 00
- Connection to plastic threads only
- Do not use thread sealing pastes that are harmful to PVC-C



Rp	Code	£	SP	kg
$\frac{3}{8}$	723 640 605	2.87	-	0.012
$\frac{1}{2}$	723 640 606	7.29	-	0.015
$\frac{3}{4}$	723 640 607	7.84	-	0.024
1	723 640 608	10.17	-	0.035
$1\frac{1}{4}$	723 640 609	11.96	-	0.061
$1\frac{1}{2}$	723 640 610	15.89	-	0.092
2	723 640 611	21.21	-	0.114

## 23 69 00 Union Nut, PVC-C



d	Code	£	SP	kg
16	723 690 005	3.37	-	0.013
20	723 690 006	3.87	-	0.020
25	723 690 007	4.38	-	0.023
32	723 690 008	6.20	-	0.032
40	723 690 009	6.97	-	0.053
50	723 690 010	11.59	-	0.100
63	723 690 011	14.87	-	0.141
75	723 690 012	38.42	-	0.271
90	723 690 013	46.17	-	0.383
110	723 690 014	53.80	-	0.609

# Ball Valves PVC-C

## Ball Valve Type 546, PVC-C Solvent Cement Sockets Metric

- Union type ends for easy installation and removal (z-dimension, valve end and valve nut are not compatible with Type 346)
- Ball seals PTFE
- Without mounting inserts

### Options

- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from GF



d	DN	EPDM Code	£	SP	kg
16	10	163 546 001	44.48	-	-
20	15	163 546 002	46.27	-	-
25	20	163 546 003	54.42	-	-
32	25	163 546 004	66.35	-	-
40	32	163 546 005	83.77	-	-
50	40	163 546 006	100.09	-	-
63	50	163 546 007	126.02	-	-
75	65	163 546 008	399.10	-	-
90	80	163 546 009	497.91	-	-
110	100	163 546 010	596.72	-	-
d	DN	FPM Code	£	SP	kg
16	10	163 546 011	49.23	-	-
20	15	163 546 012	50.93	-	-
25	20	163 546 013	62.06	-	-
32	25	163 546 014	78.58	-	-
40	32	163 546 015	98.60	-	-
50	40	163 546 016	119.35	-	-
63	50	163 546 017	158.65	-	-
75	65	163 546 018	462.37	-	-
90	80	163 546 019	577.22	-	-
110	100	163 546 020	692.46	-	-

## Ball Valve Type 546, PVC-C Solvent Cement Spigots Metric

- Union type ends for easy installation and removal (z-dimension, valve end and valve nut are not compatible with Type 346)
- Ball seals PTFE
- Without mounting inserts

### Options

- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from GF



d	DN	EPDM Code	£	SP	kg
16	10	163 546 041	44.48	-	-
20	15	163 546 042	46.27	-	-
25	20	163 546 043	54.42	-	-
32	25	163 546 044	66.35	-	-
40	32	163 546 045	83.77	-	-
50	40	163 546 046	100.09	-	-
63	50	163 546 047	126.02	-	-
75	65	163 546 048	399.10	-	-
90	80	163 546 049	497.91	-	-
110	100	163 546 050	596.72	-	-
d	DN	FPM Code	£	SP	kg
16	10	163 546 051	49.23	-	-
20	15	163 546 052	50.93	-	-
25	20	163 546 053	62.06	-	-
32	25	163 546 054	78.58	-	-
40	32	163 546 055	98.60	-	-
50	40	163 546 056	119.35	-	-
63	50	163 546 057	158.65	-	-
75	65	163 546 058	462.37	-	-
90	80	163 546 059	577.22	-	-
110	100	163 546 060	692.46	-	-

## Ball Valve Type 546, PVC-C Threaded Sockets Rp

- Union type ends for easy installation and removal (z-dimension, valve end and valve nut are not compatible with Type 346)
- Ball seals PTFE
- Without mounting inserts

### Options

- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from GF



Rp	DN	EPDM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 546 021	48.86	-	-
<sup>1</sup> / <sub>2</sub>	15	163 546 022	50.93	-	-
<sup>3</sup> / <sub>4</sub>	20	163 546 023	59.83	-	-
1	25	163 546 024	72.95	-	-
<sup>1</sup> / <sub>4</sub>	32	163 546 025	92.67	-	-
<sup>1</sup> / <sub>2</sub>	40	163 546 026	110.47	-	-
2	50	163 546 027	138.64	-	-
<sup>2</sup> / <sub>2</sub>	65	163 546 028	454.92	-	-
3	80	163 546 029	572.59	-	-
4	100	163 546 030	692.19	-	-
Rp	DN	FPM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 546 031	58.65	-	-
<sup>1</sup> / <sub>2</sub>	15	163 546 032	61.01	-	-
<sup>3</sup> / <sub>4</sub>	20	163 546 033	72.43	-	-
1	25	163 546 034	87.48	-	-
<sup>1</sup> / <sub>4</sub>	32	163 546 035	111.21	-	-
<sup>1</sup> / <sub>2</sub>	40	163 546 036	133.44	-	-
2	50	163 546 037	166.06	-	-
<sup>2</sup> / <sub>2</sub>	65	163 546 038	513.19	-	-
3	80	163 546 039	646.52	-	-
4	100	163 546 040	782.41	-	-

## Ball Valve Type 546, PVC-C with Mounting Inserts Solvent Cement Sockets Metric

- Union type ends for easy installation and removal (z-dimension, valve end and valve nut are not compatible with Type 346)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

### Options

- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from GF



d	DN	EPDM Code	£	SP	kg
16	10	163 546 061	47.14	-	-
20	15	163 546 062	49.16	-	-
25	20	163 546 063	57.52	-	-
32	25	163 546 064	69.76	-	-
40	32	163 546 065	87.48	-	-
50	40	163 546 066	104.16	-	-
63	50	163 546 067	130.56	-	-
75	65	163 546 068	404.88	-	-
90	80	163 546 069	503.69	-	-
110	100	163 546 070	605.71	-	-
d	DN	FPM Code	£	SP	kg
16	10	163 546 071	51.90	-	-
20	15	163 546 072	53.82	-	-
25	20	163 546 073	65.17	-	-
32	25	163 546 074	82.00	-	-
40	32	163 546 075	102.30	-	-
50	40	163 546 076	123.45	-	-
63	50	163 546 077	163.18	-	-
75	65	163 546 078	468.15	-	-
90	80	163 546 079	582.99	-	-
110	100	163 546 080	701.44	-	-



## Ball Valve Type 546, PVC-C with lockable handle Solvent Cement Sockets Metric

- Union type ends for easy installation and removal (z-dimension, valve end and valve nut are not compatible with Type 346)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Lockable handle with ratchet settings


### Options

- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from GF



d	DN	EPDM Code	£	SP	kg
16	10	163 546 081	65.09	-	-
20	15	163 546 082	66.88	-	-
25	20	163 546 083	76.88	-	-
32	25	163 546 084	89.70	-	-
40	32	163 546 085	109.95	-	-
50	40	163 546 086	129.81	-	-
63	50	163 546 087	160.11	-	-
75	65	163 546 088	471.60	-	-
90	80	163 546 089	570.42	-	-
110	100	163 546 090	672.43	-	-
d	DN	FPM Code	£	SP	kg
16	10	163 546 091	69.83	-	-
20	15	163 546 092	71.55	-	-
25	20	163 546 093	84.52	-	-
32	25	163 546 094	101.94	-	-
40	32	163 546 095	124.78	-	-
50	40	163 546 096	149.09	-	-
63	50	163 546 097	192.75	-	-
75	65	163 546 098	534.86	-	-
90	80	163 546 099	649.73	-	-
110	100	163 546 100	768.17	-	-


## Multifunctional Handle 546 red (K11) with ratchet settings, lockable



d	Code	£	SP	kg
16	167 484 100	23.07	-	0.026
20	167 484 100	23.07	-	0.026
25	167 484 101	25.13	-	0.045
32	167 484 102	26.12	-	0.045
40	167 484 103	29.35	-	0.082
50	167 484 104	33.36	-	0.082
63	167 484 105	38.25	-	1.104

## Handle Extension 546 & 543 PVC-U, Inch BS/ASTM Inch


- For Ball Valve Type 546 & 543
- For use with  $\frac{3}{4}$ " PVC-U pipe (to be ordered separately)



inch	Code	£	SP	kg
$\frac{3}{8}/\frac{1}{2}$	161 486 443	19.94	-	0.032
$\frac{3}{4}/1$	161 486 444	20.09	-	0.037
$1\frac{1}{4}/1\frac{1}{2}$	161 486 445	23.81	-	0.047
2	161 486 446	25.80	-	0.058

## Handle Extension 546 & 543 PVC-U, Metric


- For Ball Valve Type 546 & 543
- For use with d25 PVC-U pipe (to be ordered separately)



d	Code	£	SP	kg
16/20	161 486 435	19.94	-	0.032
25/32	161 486 436	20.09	-	0.037
40/50	161 486 437	23.81	-	0.047
63	161 486 438	25.80	-	0.058

## Mounting Plate 546 PP-GF (L02)


- Includes 2 mounting screws



d	DN	Code	£	SP	kg
16	10	167 484 110	5.26	-	0.055
20	15	167 484 110	5.26	-	0.055
25	20	167 484 110	5.26	-	0.055
32	25	167 484 110	5.26	-	0.055
40	32	167 484 111	6.82	-	0.086
50	40	167 484 111	6.82	-	0.086
63	50	167 484 111	6.82	-	0.086

## Multifunctional Module (I02) PP-GF Empty Module


- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators



d	DN	Code	£	SP	kg
16	10	167 482 680	4.04	-	0.055
20	15	167 482 680	4.04	-	0.055
25	20	167 482 681	4.22	-	0.070
32	25	167 482 681	4.22	-	0.070
40	32	167 482 682	7.34	-	0.080
50	40	167 482 682	7.34	-	0.080
63	50	167 482 683	8.38	-	0.120

## Multifunctional Module (I03) PP-GF with mechanical limit switch; Ag, Ni

- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators
- Includes Plug 3P+E / Protection: IP65




d	DN	Code	£	SP	kg
16	10	167 482 626	52.00	-	0.110
20	15	167 482 626	52.00	-	0.110
25	20	167 482 627	55.81	-	0.120
32	25	167 482 627	55.81	-	0.120
40	32	167 482 628	68.52	-	0.135
50	40	167 482 628	68.52	-	0.135
63	50	167 482 629	72.28	-	0.175

NOTE: All multifunctional modules must be used with multifunctional handle

## Multifunctional Module (I04) PP-GF with mechanical limit switch; Au


- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators
- Includes Plug 3P+E / Protection: IP65



d	DN	Code	£	SP	kg
16	10	167 482 635	52.00	-	0.110
20	15	167 482 635	52.00	-	0.110
25	20	167 482 636	55.81	-	0.120
32	25	167 482 636	55.81	-	0.120
40	32	167 482 637	68.52	-	0.135
50	40	167 482 637	68.52	-	0.135
63	50	167 482 638	72.28	-	0.175

## Multifunctional Module (I05) PP-GF with inductive limit switch; Namur


- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators
- Includes Plug 3P+E / Protection: IP65



d	DN	Code	£	SP	kg
16	10	167 482 671	281.51	-	0.110
20	15	167 482 671	281.51	-	0.110
25	20	167 482 672	285.32	-	0.120
32	25	167 482 672	285.32	-	0.120
40	32	167 482 673	298.03	-	0.135
50	40	167 482 673	298.03	-	0.135
63	50	167 482 674	301.78	-	0.175

## Multifunctional Module (I06) PP-GF with inductive limit switch; PNP

- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators
- Includes Plug 3P+E / Protection: IP65




d	DN	Code	£	SP	kg
16	10	167 482 662	183.91	-	0.110
20	15	167 482 662	183.91	-	0.110
25	20	167 482 663	187.67	-	0.120
32	25	167 482 663	187.67	-	0.120
40	32	167 482 664	201.60	-	0.135
50	40	167 482 664	201.60	-	0.135
63	50	167 482 665	204.13	-	0.175

NOTE: All multifunctional modules must be used with multifunctional handle

## Multifunctional Module (I07) PP-GF with inductive limit switch; NPN

- Accessory to Ball Valve Type 546
- Multifunctional module acts as a mounting kit for actuators
- Includes Plug 3P+E / Protection: IP65



d	DN	Code	£	SP	kg
16	10	167 482 653	183.91	-	0.110
20	15	167 482 653	183.91	-	0.110
25	20	167 482 654	187.67	-	0.120
32	25	167 482 654	187.67	-	0.120
40	32	167 482 655	201.60	-	0.135
50	40	167 482 655	201.60	-	0.135
63	50	167 482 656	204.13	-	0.175

NOTE: All multifunctional modules must be used with multifunctional handle

# Configurator GF Ball Valve Type 546 PVC-C

## Ball Valve

A01 Ball Valve 546

### Material

B02 PVC-C

### Dimension

- C05 d 16 DN 10 3/8"
- C06 d 20 DN 15 1/2"
- C07 d 25 DN 20 3/4"
- C08 d 32 DN 25 1"
- C09 d 40 DN 32 1 1/4"
- C10 d 50 DN 40 1 1/2"
- C11 d 63 DN 50 2"
- C12 d 75 DN 65 2 1/2"
- C13 d 90 DN 80 2 1/2"
- C14 d 110 DN 100 4"

### Version

- D01 Standard, PTFE ball seal
- D03 Silicon-free, PTFE ball seal for inch ASTM (only with specific connecting parts)
- D04 Silicon-free, PVDF ball seal for metric (only with specific connecting parts)

### Seals

- E01 EPDM seals
- E02 FPM seals

### Threaded inserts

- F01 Without threaded inserts
- F02 With threaded inserts

### Connecting parts

- G11 PVC-C cement socket metric
- G13 PVC-C cement socket inch ASTM
- G14 PVC-C cement spigot metric
- G15 PVC-C threaded socket Rp
- G16 PVC-C threaded socket Rp reinforced
- G17 PVC-C threaded socket NPT
- G40 PE-100 fusion socket metric
- G41 PE-100 butt fusion spigot SDR11 metric
- G42 PE-100 butt fusion spigot SDR17.6 metric (limited dimension range)
- G43 PE-100 butt fusion spigot long SDR11 metric
- G72 Backing flange PP-steel metric
- G73 Backing flange PP-steel ANSI
- G80 PVC-U valve end blank

### Multi-functional module

- I01 No multi-functional module
- I02 Empty module
- I03 Module with 2 limit switches Ag, Ni
- I04 Module with 2 limit switches Au
- I05 Module with 2 inductive switches Namur
- I06 Module with 2 inductive switches PNP
- I07 Module with 2 inductive switches NPN

### Handle

- K01 Standard handle red
- K02 Standard handle black
- K11 Multi-functional handle red

### Mounting plate

- L01 Without mounting plate
- L02 With mounting plate

A01 B02

C

D

E

F

G

G

I

K

L

Left Right

### 3-way Ball Valves Type 543 horizontal/L-port, PVC-C with Solvent Cement Sockets Metric

#### L-port Ball

- Union type ends for easy installation and removal
- Ball seal PTFE
- Pneumatic or electric actuator available separately
- Integrated stainless steel inserts



d	DN	EPDM Code	£	SP	kg
16	10	163 543 001	104.70	-	0.213
20	15	163 543 002	104.70	-	0.213
25	20	163 543 003	118.99	-	0.398
32	25	163 543 004	140.41	-	0.543
40	32	163 543 005	171.34	-	0.904
50	40	163 543 006	187.21	-	1.467
63	50	163 543 007	233.21	-	2.834
d	DN	FPM Code	£	SP	kg
16	10	163 543 011	112.65	-	0.213
20	15	163 543 012	112.65	-	0.213
25	20	163 543 013	128.52	-	0.398
32	25	163 543 014	153.11	-	0.543
40	32	163 543 015	185.62	-	0.904
50	40	163 543 016	21.99	-	1.467
63	50	163 543 017	260.18	-	2.834

### 3-way Ball Valves Type 543 horizontal/L-port, PVC-C with Threaded Sockets Rp

#### L-port Ball

- Union type ends for easy installation and removal
- Ball seal PTFE
- Pneumatic or electric actuator available separately
- Integrated stainless steel inserts



Rp	DN	EPDM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 543 041	111.06	-	0.213
<sup>1</sup> / <sub>2</sub>	15	163 543 042	111.06	-	0.213
<sup>3</sup> / <sub>4</sub>	20	163 543 043	132.48	-	0.398
1	25	163 543 044	147.54	-	0.543
<sup>1</sup> / <sub>4</sub>	32	163 543 045	179.27	-	0.904
<sup>1</sup> / <sub>2</sub>	40	163 543 046	195.14	-	1.467
2	50	163 543 047	245.91	-	2.834
Rp	DN	FPM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 543 051	117.41	-	0.213
<sup>1</sup> / <sub>2</sub>	15	163 543 052	117.41	-	0.213
<sup>3</sup> / <sub>4</sub>	20	163 543 053	135.65	-	0.398
1	25	163 543 054	161.81	-	0.543
<sup>1</sup> / <sub>4</sub>	32	163 543 055	195.14	-	0.904
<sup>1</sup> / <sub>2</sub>	40	163 543 056	223.70	-	1.467
2	50	163 543 057	272.87	-	2.834

### 3-way Ball Valves Type 543 horizontal/T-port, PVC-C with Solvent Cement Sockets Metric

#### T-port Ball

- Union type ends for easy installation and removal
- Ball seal PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° (without turn limiter)
- Integrated stainless steel inserts



d	DN	EPDM Code	£	SP	kg
16	10	163 543 201	104.70	-	0.213
20	15	163 543 202	104.70	-	0.213
25	20	163 543 203	118.99	-	0.398
32	25	163 543 204	140.41	-	0.543
40	32	163 543 205	171.34	-	0.904
50	40	163 543 206	187.21	-	1.467
63	50	163 543 207	233.21	-	2.834
d	DN	FPM Code	£	SP	kg
16	10	163 543 211	112.65	-	0.213
20	15	163 543 212	112.65	-	0.213
25	20	163 543 213	128.52	-	0.398
32	25	163 543 214	153.11	-	0.543
40	32	163 543 215	185.62	-	0.904
50	40	163 543 216	210.99	-	1.467
63	50	163 543 217	260.18	-	2.834

### 3-way Ball Valves Type 543 horizontal/T-port, PVC-C with Threaded Sockets Rp

#### T-port Ball

- Union ends for easy installation and removal
- Ball seal PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° (without turn limiter)
- Integrated stainless steel inserts



Rp	DN	EPDM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 543 241	111.06	-	0.213
<sup>1</sup> / <sub>2</sub>	15	163 543 242	111.06	-	0.213
<sup>3</sup> / <sub>4</sub>	20	163 543 243	132.48	-	0.398
1	25	163 543 244	147.54	-	0.543
1 <sup>1</sup> / <sub>4</sub>	32	163 543 245	179.27	-	0.904
1 <sup>1</sup> / <sub>2</sub>	40	163 543 246	195.14	-	1.467
2	50	163 543 247	245.91	-	2.834
Rp	DN	FPM Code	£	SP	kg
<sup>3</sup> / <sub>8</sub>	10	163 343 251	117.41	-	0.213
<sup>1</sup> / <sub>2</sub>	15	163 343 252	117.41	-	0.213
<sup>3</sup> / <sub>4</sub>	20	163 343 253	135.65	-	0.398
1	25	163 343 254	161.81	-	0.543
1 <sup>1</sup> / <sub>4</sub>	32	163 343 255	195.14	-	0.904
1 <sup>1</sup> / <sub>2</sub>	40	163 343 256	223.70	-	1.467
2	50	163 343 257	272.87	-	2.834



# Diaphragm Valves PVC-C

## Diaphragm Valves Type 315, PVC-C with Solvent Cement Spigots

- EN 558-1 standard size
- Option: Lockable handwheel, standard version not lockable



d	DN	EPDM Code	£	SP	kg
20	15	163 315 617	92.82	-	0.290
25	20	163 315 618	103.92	-	0.440
32	25	163 315 619	111.85	-	0.710
40	32	163 315 620	130.09	-	1.000
50	40	163 315 621	180.85	-	1.300
63	50	163 315 622	223.70	-	2.300
d	DN	PTFE with EPDM Supp. diaphragm Code	£	SP	kg
20	15	163 315 632	152.29	-	0.290
25	20	163 315 633	164.99	-	0.440
32	25	163 315 634	176.10	-	0.710
40	32	163 315 635	247.48	-	1.000
50	40	163 315 636	309.37	-	1.300
63	50	163 315 637	393.45	-	2.300

## Diaphragm Type 317, PVC-C with PP-V Flange

- En 558-1 standard size
- Flanged for easy installation and removal
- DN 15-40 with PP-V loose flange
- DN 50-65 with PP-V loose flange
- DN 80-100 with PVC-C fixed flange
- Option: Lockable handwheel DN 15-65, standard version not lockable



d	DN	EPDM Code	£	SP	kg
20	15	163 317 517	118.20	-	0.460
25	20	163 317 518	137.25	-	0.680
32	25	163 317 519	188.78	-	1.000
40	32	163 317 520	206.24	-	1.600
50	40	163 317 521	271.29	-	1.900
63	50	163 317 522	337.92	-	3.200
75	65	163 317 523	498.16	-	4.425
90	80	163 317 024	759.91	-	9.888
110	100	163 317 025	1069.27	-	13.799
d	DN	PTFE with EPDM Code	£	SP	kg
20	15	163 317 532	209.41	-	0.460
25	20	163 317 533	220.53	-	0.680
32	25	163 317 534	260.18	-	1.000
40	32	163 317 535	339.50	-	1.600
50	40	163 317 536	428.34	-	1.900
63	50	163 317 537	525.12	-	3.200
75	65	163 317 538	858.29	-	4.425
90	80	163 317 039	1186.68	-	9.888
110	100	163 317 040	1567.43	-	13.799

## Handwheel with built-in locking mechanism

- For Diaphragm valves, Type 315 and 317 (DN65)



d	Code	£	SP	kg
20	167 481 943	26.07	-	0.032
25	167 481 943	26.07	-	0.032
32	167 481 944	26.57	-	0.043
40	167 481 945	28.08	-	0.071
50	167 481 945	28.08	-	0.071
63	167 481 946	28.59	-	0.217
75	167 481 946	28.59	-	0.217

# Butterfly Valves PVC-C

## Butterfly Valves Type 567, PVC-C lever handle with ratchet settings

- Overall length ISO 7508
- Overall length EN 558-1
- Connecting dimension: **BS 4504 PN10**  
ISO 7005 PN10  
EN 1092 PN10  
DIN 2501 PN10  
ANSI B16.5 Class 150



d	DN	EPDM Code	£	SP	kg
75	65	163 567 003	255.29	-	1.163
90	80	163 567 004	310.56	-	1.850
110	100	163 567 005	387.10	-	2.550
160	150	163 567 007	623.97	-	4.160
225	200	163 567 008	897.93	-	7.560
d	DN	FPM Code	£	SP	kg
75	65	163 567 023	305.92	-	1.174
90	80	163 567 024	358.15	-	1.850
110	100	163 567 025	445.48	-	2.550
160	150	163 567 027	699.63	-	4.160
225	200	163 567 028	1009.00	-	7.560

## Butterfly Valves Type 567, PVC-C handwheel with reduction gear

- Overall length ISO 7508
- Overall length EN 558-1
- Connecting dimension: **BS 4504 PN10**  
ISO 7005 PN10  
EN 1092 PN10  
DIN 2501 PN10  
ANSI B16.5 Class 150



d	DN	EPDM Code	£	SP	kg
75	65	163 567 043	602.24	-	3.201
90	80	163 567 044	648.47	-	4.160
110	100	163 567 045	791.96	-	4.830
160	150	163 567 047	1075.15	-	6.350
225	200	163 567 048	1440.52	-	10.000
d	DN	FPM Code	£	SP	kg
75	65	163 567 063	721.08	-	3.212
90	80	163 567 064	778.17	-	4.160
110	100	163 567 065	896.04	-	4.830
160	150	163 567 067	1160.82	-	6.350
225	200	163 567 068	1561.09	-	10.000

## Ball Check Valves PVC-C

### Ball Check (Non-Return) Valve Type 360, PVC-C with Solvent Cement Sockets

- Union type ends for easy installation and removal
- Ball is sealing at a minimum water column of 1m
- Vibration free even at high velocity



d	DN	EPDM Code	£	SP	kg
16	10	163 360 401	51.32	-	0.139
20	15	163 360 402	51.32	-	0.139
25	20	163 360 403	60.28	-	0.231
32	25	163 360 404	73.63	-	0.359
40	32	163 360 405	106.29	-	0.592
50	40	163 360 406	111.85	-	0.950
63	50	163 360 407	142.00	-	1.682
d	DN	FPM Code	£	SP	kg
16	10	163 360 411	56.47	-	0.139
20	15	163 360 412	56.47	-	0.139
25	20	163 360 413	68.69	-	0.231
32	25	163 360 414	86.47	-	0.359
40	32	163 360 415	125.33	-	0.592
50	40	163 360 416	133.27	-	0.950
63	50	163 360 417	176.10	-	1.682

# Strainers PVC-C

## Line Strainers Type 305, PVC-C

### Grey body with Solvent Cement Spigots Metric

- Protects valves, pumps etc. from becoming soiled
- Easy dismantling for cleaning the screens
- Cylindrical screens must be ordered separately
- Overall length EN 558-1



d	EDPM Code	£	SP	kg
20	163 305 302	63.46	-	0.120
25	163 305 303	70.21	-	0.160
32	163 305 304	97.56	-	0.250
40	163 305 305	130.09	-	0.640
50	163 305 306	164.99	-	0.640
63	163 305 307	222.11	-	1.060
d	FPM Code	£	SP	kg
20	163 305 317	73.28	-	0.120
25	163 305 318	84.89	-	0.160
32	163 305 319	111.06	-	0.250
40	163 305 320	140.41	-	0.640
50	163 305 321	202.08	-	0.640
63	163 305 322	260.18	-	1.060

## Cylindrical Screens

### Cylindrical Screen, Stainless Steel

#### Screen perforations 0.5 mm

- For line strainers Type 305



d	Code	£	SP	kg
20	161 486 100	6.92	-	0.002
25	161 486 101	8.98	-	0.004
32	161 486 102	9.60	-	0.006
40	161 486 103	10.86	-	0.009
50	161 486 104	13.32	-	0.014
63	161 486 105	14.83	-	0.022

### Cylindrical Screen, PVC-U

#### Screen perforations 0.5 mm

- For line strainers Type 305



d	Code	£	SP	kg
20	161 305 339	4.40	10	0.005
25	161 305 389	4.40	10	0.007
32	161 305 439	4.40	5	0.003
40	161 305 489	6.24	2	0.004
50	161 305 539	7.18	1	0.007
63	161 305 589	9.67	2	0.010

### Cylindrical Screen, PVC-U

#### Screen perforations 0.8mm

- For line strainers Type 305



d	Code	£	SP	kg
20	161 305 338	4.40	10	0.005
25	161 305 388	4.40	10	0.007
32	161 305 438	4.40	5	0.003
40	161 305 488	6.24	2	0.004
50	161 305 538	7.18	1	0.006
63	161 305 588	9.67	2	0.009

## Cylindrical Screen, PVC-U, Screen perforations 1.4 mm

- For line strainers Type 305





d	Code	£	SP	kg
20	161 305 337	3.07	10	0.005
25	161 305 387	3.07	10	0.003
32	161 305 437	4.09	5	0.003
40	161 305 487	5.11	2	0.004
50	161 305 537	6.24	1	0.006
63	161 305 587	7.69	2	0.008

# Accessories

## Pipe Clips



### KLIP-IT Pipe Clips Type 061H, PP BS Inch

- For inch pipes
- Material: Clip and safety clip PP black, UV resistant

	d	Code	£	SP	kg
	*1/4	167 061 054	0.73	10	0.003
	*3/8	167 061 085	0.77	10	0.006
	*1/2	167 061 086	0.91	10	0.008
	*3/4	167 061 087	0.97	10	0.009
	*1	167 061 088	1.07	10	0.012
	*1 1/4	167 061 089	1.44	10	0.027
	*1 1/2	167 061 090	1.57	10	0.031
	2	167 061 091	1.99	10	0.054
	2 1/2	167 061 012	3.80	10	0.062
	3	167 061 013	6.38	10	0.090

### KLIP-IT Pipe Clips Type 061H, PP Metric


- For metric pipes
- Material: Clip and safety clip PP black, UV resistant

	d	Code	£	SP	kg
	*10	167 061 003	0.73	10	0.003
	*12	167 061 004	0.73	10	0.003
	*16	167 061 035	0.77	10	0.006
	*20	167 061 036	0.91	10	0.007
	*25	167 061 037	0.97	10	0.009
	*32	167 061 038	1.07	10	0.011
	40	167 061 039	1.44	10	0.025
	50	167 061 040	1.57	10	0.028
	63	167 061 041	1.99	10	0.047
	75	167 061 012	3.80	10	0.058
	90	167 061 013	6.38	10	0.090
	110	167 061 014	7.53	10	0.114
	125	167 061 015	10.15	10	0.174
	140	167 061 016	12.94	10	0.217
	160	167 061 017	14.35	10	0.237



## KLIP-IT Spacer Type 061, PP

- For pipe clips Type 061H, PP black, UV resistant



d	inch	Code	£	SP	kg
10-12	1/8-1/4	167 061 153	0.39	10	0.003
16	3/8	167 061 155	0.39	10	0.006
20	1/2	167 061 156	0.47	10	0.006
25	3/4	167 061 157	0.56	10	0.007
32	1	167 061 158	0.68	10	0.008
40	1 1/4	167 061 159	0.82	10	0.016
50	1 1/2	167 061 160	1.07	10	0.017
63	2	167 061 161	1.50	10	0.024
75	2 1/2	167 061 162	2.18	10	0.027
90	3	167 061 163	2.76	10	0.040
110	4	167 061 164	3.80	10	0.048
125		167 061 165	5.26	10	0.059
140	5	167 061 166	5.80	10	0.065
160	6	167 061 167	7.22	10	0.074

## KLIP-IT Pipe Clips Type 061, PE


- For metric pipes
- Material: Clip PE and safety clip PP black



d	Code	£	SP	kg
*10	173 061 003	0.62	10	0.003
*12	173 061 004	0.62	10	0.006
*16	173 061 005	0.77	10	0.007
*20	173 061 006	0.91	10	0.008
*25	173 061 007	0.97	10	0.009
*32	173 061 008	1.07	10	0.012
40	173 061 009	1.44	10	0.022
50	173 061 010	1.57	10	0.030
63	173 061 011	1.99	10	0.044
75	173 061 012	3.80	10	0.062
90	173 061 013	6.38	10	0.090
110	173 061 014	7.53	10	0.114
125	173 061 015	10.15	10	0.174
140	173 061 016	12.94	10	0.217
160	173 061 017	14.35	10	0.237

## KLIP-IT Spacer Type 061, PE


- For pipe clips Type 061, PE



d	Code	£	SP	kg
10-12	173 061 153	0.34	10	0.003
16	173 061 155	0.34	10	0.006
20	173 061 156	0.47	10	0.006
25	173 061 157	0.49	10	0.007
32	173 061 158	0.62	10	0.008
40	173 061 159	0.74	10	0.016
50	173 061 160	1.05	10	0.017
63	173 061 161	1.46	10	0.024
75	173 061 162	1.99	10	0.027
90	173 061 163	2.50	10	0.040
110	173 061 164	3.45	10	0.048
125	173 061 165	4.78	10	0.059
140	173 061 166	5.29	10	0.065
160	173 061 167	6.56	10	0.074

## KLIP-IT Pipe Clips Type 060, PP BS Inch

- For inch pipes
- Material: Clip and safety clip PP black, UV resistant
- Pipe with flanged connections can be installed directly
- Accidental opening of the safety clip is not possible
- Clip and safety clip are not assembled in the packaging



d	Code	£	SP	kg
3	167 060 038	6.38	10	0.163
4	167 060 064	7.55	10	0.179
5	167 060 041	12.62	10	0.309
6	167 060 067	14.48	10	0.348
8	167 060 070	24.90	-	0.612

## KLIP-IT Pipe Clips Type 060, PP Metric

- For metric pipes
- Material: Clip and safety clip PP black, UV resistant
- Pipe with flanged connections can be installed directly
- Accidental opening of the safety clip is not possible
- Clip and safety clip are not assembled in the packaging



d	Code	£	SP	kg
90	167 060 038	6.38	10	0.163
110	167 060 039	7.55	10	0.179
125	167 060 040	10.26	10	0.300
140	167 060 041	12.62	10	0.309
160	167 060 042	14.48	10	0.348
180	167 060 043	16.05	-	0.378
200	167 060 019	21.36	-	0.582
225	167 060 020	24.90	-	0.612
250	167 060 021	31.69	-	0.698
280	167 060 022	36.81	-	0.722
315	167 060 023	40.54	-	0.842
355	167 060 024	45.23	-	1.250
400	167 060 025	48.77	-	1.450

# Solvent Cements

## Tangit Solvent Cement for PVC-C



Size	Code	£	
650g tin	799 298 027	26.66	

# Cleaners

## Tangit Cleaning Fluid for PVC-C



Size	Code	£	
1 litre tin	799 298 010	18.34	

# Tools and Brushes

## Chamfering Tool



Size	Code	£	
16-75	799 495 145	179.35	
32-250	799 309 044	229.97	

## Pipe Cutter KRA



Size	Code	£	
KRA 63 25-63mm	790 109 001	56.62	
KRA 110 75-110mm	790 109 002	125.96	
KRA 160 110-160mm	790 109 003	152.54	

## Round Brushes



Size	Code	£	
4mm for fittings 6-10mm	799 299 001	1.20	
8mm for fittings 12-32mm	799 299 002	1.84	

## Flat Brushes



Size	Code	£	
25x3mm for fittings 40-63mm	799 299 003	1.90	
50x5mm for fittings 75-225mm	799 299 004	4.40	
75x6mm for fittings 250-315mm	799 299 005	11.27	

# Backing Flanges

## 24 70 14 Backing Flanges for socket systems

- Inch & Metric sizes
- Material: Galvanised mild steel
- Bolt circle diameter and bolt holes: BS10: 1962, table D & E



d	DN	inch	Code	£	SP	kg
20	15	1/2	724 701 406	6.61	-	0.220
25	20	3/4	724 701 407	7.47	-	0.320
32	25	1	724 701 408	7.84	-	0.410
40	32	1 1/4	724 701 409	8.12	-	0.820
50	40	1 1/2	724 701 410	9.93	-	1.040
63	50	2	724 701 411	14.04	-	1.220
75	65	2 1/2	724 701 412	19.76	-	1.400
90	80	3	724 701 413	21.36	-	1.530
110	100		724 703 414	27.58	-	1.840
110	100	4D	724 701 414	27.58	-	1.840
110	100	4E	724 701 415	27.58	-	1.840
140	125	5	724 701 416	42.56	-	2.070
160	150	6	724 701 417	46.67	-	2.330
225	200	8	724 701 419	63.31	-	2.750

## 24 70 16 Backing Flanges for socket systems

- Inch & Metric sizes
- Material: Galvanised mild steel
- Bolt circle diameter and bolt holes: ISO/BS4504: 1969 PN10/16



d	DN	inch	Code	£	SP	kg	
20	15	1/2	724 701 606	7.54	-	0.220	
25	20	3/4	724 701 607	7.84	-	0.320	
32	25	1	724 701 608	8.75	-	0.410	
40	32	1 1/4	724 701 609	8.91	-	0.820	
50	40	1 1/2	724 701 610	11.01	-	1.040	
63	50	2	724 701 611	15.57	-	1.220	
75	65	2 1/2	724 701 612	21.36	-	1.400	
90	80	3	724 701 613	23.60	-	1.530	
110	100		724 700 014	30.60	-	1.840	
	100	4	724 701 615	30.60	-	1.840	
140	125	5	724 701 616	42.56	-	2.070	
	150	6	724 701 617	50.44	-	2.330	
160	150		724 700 017	50.38	-	2.510	
** PN10 8 holes	225	200	8	724 701 620	69.11	-	1.584
PN16 12 holes	225	200	8	724 701 720	69.11	-	1.584

\*\* Deleted item

## 24 70 18 Backing Flanges for socket systems

- Inch & Metric sizes
- Material: Galvanised mild steel
- Bolt circle diameter and bolt holes to BS1560 1958, ANSI B16.5 Class 150



d	DN	inch	Code	£	SP	kg
20	15	1/2	724 701 806	7.54	-	0.220
25	20	3/4	724 701 807	7.84	-	0.320
32	25	1	724 701 808	8.75	-	0.410
40	32	1 1/4	724 701 809	8.91	-	0.820
50	40	1 1/2	724 701 810	11.01	-	1.040
63	50	2	724 701 811	15.57	-	1.220
75	65	2 1/2	724 701 812	21.36	-	1.400
90	80	3	724 701 813	23.60	-	1.530
110	100		724 703 814	30.60	-	1.840
	100	4	724 701 815	30.60	-	1.840
140	125	5	724 701 816	42.56	-	2.070
	150	6	724 701 817	50.44	-	2.330
225	200	8	724 701 820	69.11	-	2.750

## 27 70 04 Backing Flanges for socket systems

- Modern full plastics flange PP-GF (30% glass fibre reinforced)
- With V-groove (patent pending) which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- Connecting dimensions: ISO 7005, EN 1092, DIN 2501, **BS 4504**, bolt circle PN10



d	DN	inch	Code	£	SP	kg
20	15	1/2	727 700 406	8.63	-	-
25	20	3/4	727 700 407	9.67	-	-
32	25	1	727 700 408	12.45	-	-
40	32	1 1/4	727 700 409	14.83	-	-
50	40	1 1/2	727 700 410	17.62	-	-
63	50	2	727 700 411	22.62	-	-
75	65	2 1/2	727 700 412	24.66	-	-
90	80	3	727 700 413	29.50	-	-
110	100	4	727 700 414	36.41	-	-
140	125		727 700 416	51.48	-	-
160	150	6	727 700 417	62.70	-	-
225	200	8	727 700 420	91.30	-	-
280	250	10	727 700 422	115.08	-	-
315	300	12	727 700 423	169.35	-	-

## 27 70 14 Backing Flanges, PP-V for socket systems, all materials

- Modern full plastics flange PP-GF (30% glass fibre reinforced)
- With V-groove (patent pending) which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- Connecting dimensions: **ANSI B 16.5**, ASTM D 4024, BS 1560; bolt circle class 150



d	DN	inch	Code	£	SP	kg
*15	1/2		727 701 406	8.63	-	-
*20	3/4		727 701 407	9.67	-	-
*25	1		727 701 408	12.45	-	-
*32	1 1/4		727 701 409	14.83	-	-
*40	1 1/2		727 701 410	17.62	-	-
*50	2		727 701 411	22.62	-	-
*65	2 1/2		727 701 412	24.66	-	-
80	3		727 701 413	29.50	-	-
110	100	4	727 701 414	36.41	-	-
160	150	6	727 700 417	62.70	-	-
225	200	8	727 700 420	91.30	-	-
	250	10	727 701 422	115.08	-	-
	300	12	727 701 423	169.35	-	-



## 27 70 02 Backing Flanges, for socket systems

Inch and Metric sizes

Material: Polypropylene (30% fibreglass reinforced) with steel core  
bolt circle diameter and bolt holes: ISO 2536: 1969 PN10




d	DN	inch	Code	£	SP	kg
20	15	1/2	727 700 206	10.94	-	0.220
25	20	3/4	727 700 207	12.28	-	0.260
32	25	1	727 700 208	15.40	-	0.430
40	32	1 1/4	727 700 209	19.68	-	0.650
50	40	1 1/2	727 700 210	22.95	-	0.820
63	50	2	727 700 211	26.73	-	0.940
75	65	2 1/2	727 700 212	30.69	-	1.340
90	80	3	727 700 213	34.72	-	1.400
110	100	4	727 700 214	45.34	-	1.560
125	110		727 700 215	45.75	-	2.590
140	125		727 700 216	65.92	-	2.120
160	150	6	727 700 217	85.76	-	3.390
200	200		727 700 219	123.61	-	5.850
225	200	8	727 700 220	123.61	-	4.410
250	250		727 700 221	159.76	-	8.340
250	250		727 700 021	159.76	-	8.340
280	250	10	727 700 222	159.76	-	5.520
315	300	12	727 700 223	232.07	-	7.600
355	350		727 700 224	462.46	-	13.960
400	400		727 700 225	524.67	-	17.380

## 27 70 12 Backing Flanges for socket systems

Material: PP (30% fibreglass reinforced) with steel core

Connecting dimension: ANSI B 16.5 Class 150



d	DN	inch	Code	£	SP	kg
20	15	1/2	727 701 206	11.27	-	0.210
25	20	3/4	727 701 207	12.78	-	0.250
32	25	1	727 701 208	16.16	-	0.420
40	32	1 1/4	727 701 209	19.17	-	0.670
50	40	1 1/2	727 701 210	22.95	-	0.860
63	50	2	727 701 211	29.02	-	0.930
75	65	2 1/2	727 701 212	32.20	-	1.340
90	80	3	727 701 213	38.69	-	1.550
110	100	4	727 701 214	47.41	-	1.810
160	150	6	727 701 217	81.89	-	3.390
225	200	8	727 701 220	119.40	-	4.410

## O-rings and Gaskets

### 48 41 00 O-Ring EPDM

- For unions
- Hardness: 65° Shore approx.



d	inch	Code	£	SP	kg
10		748 410 004	1.06	-	-
12		748 410 004	1.06	-	-
16	<sup>3</sup> / <sub>4</sub>	748 410 005	1.06	-	-
20	<sup>1</sup> / <sub>2</sub>	748 410 006	1.29	-	-
25	<sup>3</sup> / <sub>4</sub>	748 410 007	1.49	-	-
32	1	748 410 008	1.74	-	-
40	1 <sup>1</sup> / <sub>4</sub>	748 410 009	1.98	-	-
50	1 <sup>1</sup> / <sub>2</sub>	748 410 010	2.18	-	-
63	2	748 410 011	2.48	-	-
75	2 <sup>1</sup> / <sub>2</sub>	748 410 014	2.87	-	-
90	3	748 410 015	4.85	-	-
110	4	748 410 016	5.77	-	-

### 49 41 00 O-Ring FPM

- For unions
- Hardness: 65° Shore approx.



d	inch	Code	£	SP	kg
10		749 410 004	2.65	-	-
12		749 410 004	2.65	-	-
16	<sup>3</sup> / <sub>8</sub>	749 410 005	3.24	-	-
20	<sup>1</sup> / <sub>2</sub>	749 410 006	3.37	-	-
25	<sup>3</sup> / <sub>4</sub>	749 410 007	4.15	-	-
32	1	749 410 008	5.03	-	-
40	1 <sup>1</sup> / <sub>4</sub>	749 410 009	8.10	-	-
50	1 <sup>1</sup> / <sub>2</sub>	749 410 010	9.33	-	-
63	2	749 410 011	12.02	-	-
75	2 <sup>1</sup> / <sub>2</sub>	749 410 014	13.97	-	-
90	3	749 410 015	15.89	-	-
110	4	749 410 016	20.52	-	-

## 48 40 00 Flat Gaskets EPDM

- For adaptor unions
- Hardness: 65° Shore approx.



d	Code	£	SP	kg
12	748 400 004	0.46	-	-
16	748 400 005	0.46	-	-
20	748 400 006	0.60	-	-
25	748 400 007	0.63	-	-
32	748 400 008	0.74	-	-
40	748 400 009	0.82	-	-
50	748 400 010	1.16	-	-
63	748 400 011	1.97	-	-
75	748 400 012	1.99	-	-
90	748 400 013	2.48	-	-

## 48 41 01 O-Ring EPDM

- For flange adaptors
- Hardness: 65° Shore approx.



d	inch	Code	£	SP	kg
16	<sup>3</sup> / <sub>8</sub>	748 410 000	1.28	-	-
20	<sup>1</sup> / <sub>2</sub>	748 410 001	1.28	-	-
25	<sup>3</sup> / <sub>4</sub>	748 410 007	1.49	-	-
32	1	748 410 002	1.74	-	-
40	1 <sup>1</sup> / <sub>4</sub>	748 410 003	1.98	-	-
50	1 <sup>1</sup> / <sub>2</sub>	748 410 012	2.18	-	-
63	2	748 410 013	2.48	-	-
75	2 <sup>1</sup> / <sub>2</sub>	748 410 014	2.87	-	-
90	3	748 410 015	4.85	-	-
110	4	748 410 016	5.77	-	-
125		748 410 017	6.41	-	-
140	5	748 410 018	7.21	-	-
160	6	748 410 019	8.47	-	-
200		748 410 163	9.82	-	-
225	8	748 410 022	10.00	-	-
250		748 410 182	30.69	-	-
280	10	748 410 173	32.20	-	-
315	12	748 410 174	35.99	-	-

## 49 41 01 O-Ring FPM


- For flange adaptors
- Hardness: 65° Shore approx.



d	inch	Code	£	SP	kg
16	<sup>3</sup> / <sub>8</sub>	749 410 000	3.37	-	-
20	<sup>1</sup> / <sub>2</sub>	749 410 001	4.33	-	-
25	<sup>3</sup> / <sub>4</sub>	749 410 007	4.15	-	-
32	1	749 410 002	5.87	-	-
40	1 <sup>1</sup> / <sub>4</sub>	749 410 003	9.56	-	-
50	1 <sup>1</sup> / <sub>2</sub>	749 410 012	11.36	-	-
63	2	749 410 013	12.02	-	-
75	2 <sup>1</sup> / <sub>2</sub>	749 410 014	13.97	-	-
90	3	749 410 015	15.89	-	-
110	4	749 410 016	20.52	-	-
125		749 410 017	41.86	-	-
140	5	749 410 018	46.06	-	-
160	6	749 410 019	50.38	-	-
200		749 410 163	51.03	-	-
225	8	749 410 022	53.31	-	-
250		749 410 182	58.85	-	-
280	10	749 410 173	63.65	-	-
315	12	749 410 174	82.07	-	-

## 48 40 01 Flange Gaskets EPDM


- For flange adaptors
- Hardness: 65° Shore approx.



d	inch	Code	£	SP	kg
16	3/8	748 400 014	0.46	-	-
20	1/2	748 400 015	0.60	-	-
25	3/4	748 400 016	0.63	-	-
32	1	748 400 017	0.74	-	-
40	1 1/4	748 400 018	0.82	-	-
50	1 1/2	748 400 019	1.16	-	-
63	2	748 400 020	1.97	-	-
75	2 1/2	748 400 021	1.99	-	-
90	3	748 400 022	2.48	-	-
110	4	748 400 023	3.37	-	-
125		748 400 024	3.86	-	-
140	6	748 400 025	5.03	-	-
160	7	748 400 026	5.16	-	-
200		748 400 031	5.89	-	-
225	9	748 400 027	10.60	-	-
280	10	748 400 032	14.11	-	-
315	12	748 400 033	15.89	-	-

## 49 40 01 Flange Gaskets - FPM


- For flange adaptors
- Hardness: 65° Shore approx.



d	Code	£	SP	kg
32	749 400 017	3.47	-	-
40	749 400 018	7.47	-	-
50	749 400 019	9.50	-	-
63	749 400 020	12.02	-	-
75	749 400 021	17.48	-	-
90	749 400 022	22.79	-	-
110	749 400 023	39.18	-	-
140	749 400 025	56.07	-	-
160	749 400 026	98.39	-	-
225	749 700 027	169.85	-	-

## 48 40 02 Flat Gaskets EPDM

- For tap connector No. 21 55 03
- Hardness: 65° Shore approx.



d	Code	£	SP	kg
1/2-16	748 400 030	0.30	-	-
3/4-20	748 400 005	0.46	-	-
1-25	748 400 006	0.60	-	-

Stockist

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