

Exceptional  
in every  
detail

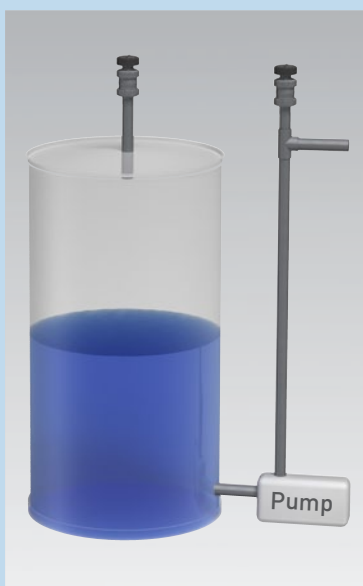
Ventilating Valve  
Type 595

Ventilating- and  
Bleed Valve  
Type 591

# Benefits

The safety and durability of your system is guaranteed and easy to realize – with controlled aerating and deaerating.

The new Ventilating- and Bleed valves from GF Piping Systems are now even more reliable; every detail has been exceptionally well thought out. An innovative PP-H float on the Ventilating- and Bleed valve type 591 has a very low density of 0.91 g/cm<sup>3</sup> and ensures complete and reliable venting of the pipe system. At the same time, the valve prevents media overflow. The Ventilating valve type 595 is used wherever safe and controlled air inlet is a must, for example when emptying tanks. Thanks to a comprehensive product range, the valve type 591 and type 595 easily fit in all major plastic piping systems, worldwide.



## Reasons for air in the piping system

- During operation, dissolved air can be released into the system through pumps, valves, fittings and other pipe components.
- When filling tanks and pipelines, air inclusions may occur.
- Pressure drops or temperature increases can release dissolved air.

## Safety

The new valve types 591 and 595 control the aerating and deaerating of piping systems and tanks with high precision and absolute dependability. They contribute significantly to the safety and protection of your system, for example by avoiding the unwanted buildup of a vacuum when emptying piping systems and tanks.

## Simplicity

The valves are easy to install and practically maintenance-free, thanks to the compact construction and innovative design details geared to maximum safety, ergonomics and cost efficiency.

## Flexibility

The many different dimensions and optimal sizes allow using the valves under nearly all space conditions and in any system design. The valves are positioned at the absolute or temporary high points in the system, after pumps and at turning points.

Dimensions: DN10 – DN100

Housing materials: PVC-U, PVC-C, ABS, PP-H, PVDF

Sealing materials: EPDM, FPM

Float material: PP-H, PVDF

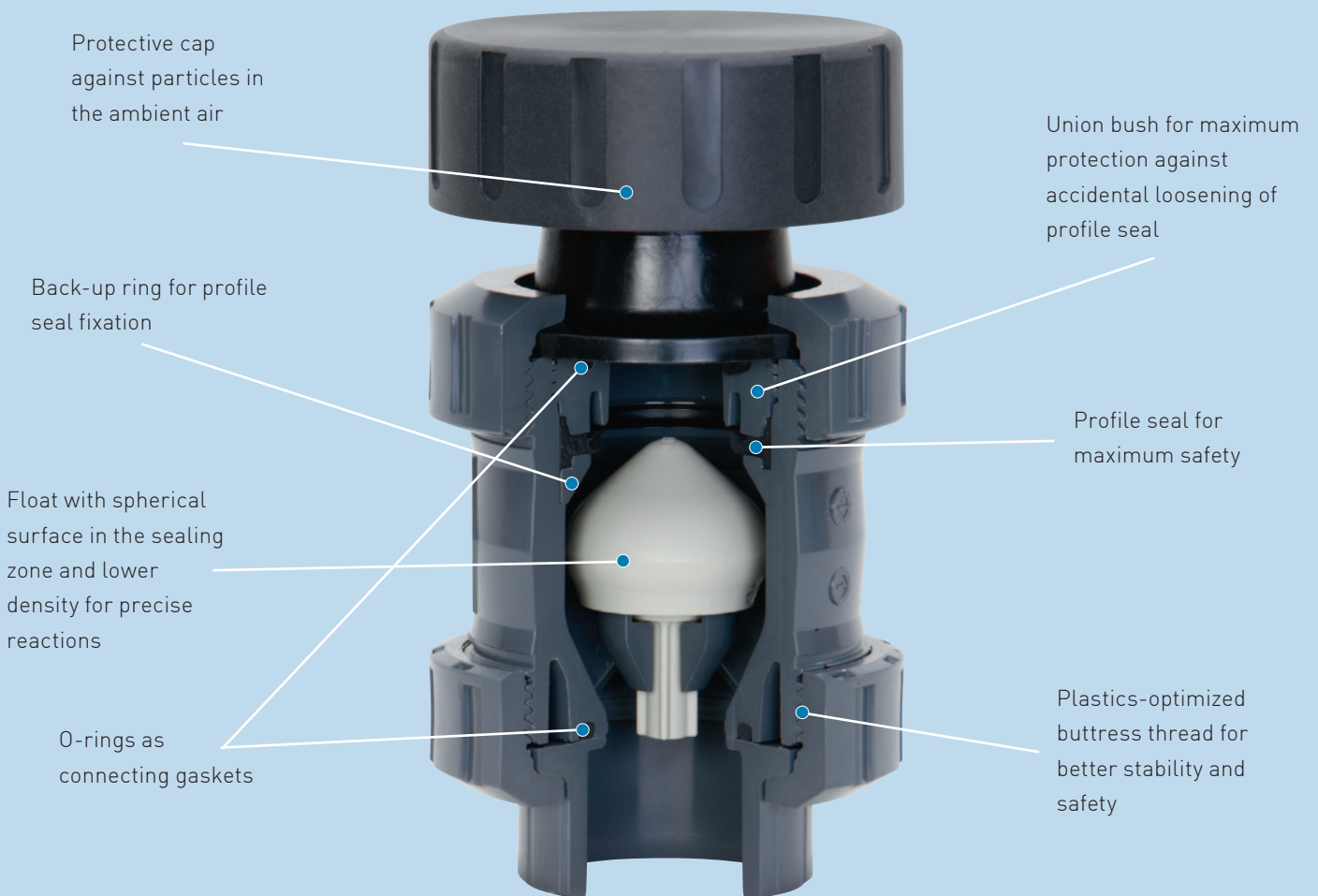
## Opening conditions type 595

DN [mm]	10	15	20	25	32	40	50	65	80	100
Vacuum for take-off of cone [-bar]	0.028	0.028	0.030	0.030	0.035	0.040	0.050	0.060	0.060	0.060

# System Details

The new ventilating valves have unique new design features – combining innovation with efficiency.

Radical innovation and sticking to a proven concept are not a contradiction in terms. The new valves from GF Piping Systems are a perfect example of this. They are easily integrated in your normal work flow. At the same time, they ensure even more efficiency and precision thanks to the completely new design of the valve inner workings: the float has a spherical surface in the sealing zone and lies absolutely flush with the seal ring. The two bearings of the float additionally prevent it from jamming, even with very rapid closing.



Ventilating- and Bleed valve type 591: without spring (illustration above)  
Ventilating valve type 595: with spring

# GF Piping Systems – worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

[www.piping.georgfischer.com](http://www.piping.georgfischer.com)



The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

## Adding Quality to People's Lives

### Argentina/Southern South America

Georg Fischer Central Plastics  
Sudamérica S.R.L.  
Buenos Aires, Argentina  
Phone +5411 4512 02 90  
[gfccentral.ps.ar@georgfischer.com](mailto:gfccentral.ps.ar@georgfischer.com)

### Australia

Georg Fischer Pty Ltd  
Riverwood NSW 2210 Australia  
Phone +61(0)2 9502 8000  
[australia.ps@georgfischer.com](mailto:australia.ps@georgfischer.com)  
[www.georgfischer.com.au](http://www.georgfischer.com.au)

### Austria

Georg Fischer  
Rohrleitungssysteme GmbH  
3130 Herzogenburg  
Phone +43(0)2782 856 43-0  
[austria.ps@georgfischer.com](mailto:austria.ps@georgfischer.com)  
[www.georgfischer.at](http://www.georgfischer.at)

### Belgium/Luxembourg

Georg Fischer NV/SA  
1070 Bruxelles/Brüssel  
Phone +32(0)2 556 40 20  
[be.ps@georgfischer.com](mailto:be.ps@georgfischer.com)  
[www.georgfischer.be](http://www.georgfischer.be)

### Brazil

Georg Fischer Ltda.  
04795-100 São Paulo  
Phone +55(0)11 5525 1311  
[br.ps@georgfischer.com](mailto:br.ps@georgfischer.com)  
[www.georgfischer.com.br](http://www.georgfischer.com.br)

### Canada

Georg Fischer Piping Systems Ltd  
Brampton, ON L6T 4E3  
Phone +1(905)792 8005  
Fax +1(905)792 6667  
[ca.ps@georgfischer.com](mailto:ca.ps@georgfischer.com)  
[www.georgfischer.ca](http://www.georgfischer.ca)

700.671.499

GFDO\_6235\_4 (05.11)

© Georg Fischer Piping Systems Ltd  
CH-8201 Schaffhausen/Switzerland, 2011  
Printed in Switzerland

### China

Georg Fischer  
Piping Systems Ltd Shanghai  
Pudong, Shanghai 201319  
Phone +86(0)21 58 13 33 33  
[china.ps@georgfischer.com](mailto:china.ps@georgfischer.com)  
[www.georgfischer.cn](http://www.georgfischer.cn)

### Denmark/Iceland

Georg Fischer A/S  
2630 Taastrup  
Phone +45 (0)70 22 19 75  
[info.dk.ps@georgfischer.com](mailto:info.dk.ps@georgfischer.com)  
[www.georgfischer.dk](http://www.georgfischer.dk)

### Finland

Georg Fischer AB  
01510 VANTAA  
Phone +358 (0)9 586 58 25  
Fax +358 (0)9 586 58 29  
[info.fi.ps@georgfischer.com](mailto:info.fi.ps@georgfischer.com)  
[info.fi.ps@georgfischer.com](mailto:info.fi.ps@georgfischer.com)

### France

Georg Fischer SAS  
95932 Roissy Charles de Gaulle Cedex  
Phone +33(0)1 41 84 68 84  
[fr.ps@georgfischer.com](mailto:fr.ps@georgfischer.com)  
[www.georgfischer.fr](http://www.georgfischer.fr)

### Germany

Georg Fischer GmbH  
73095 Albershausen  
Phone +49(0)7161 302-0  
[info.de.ps@georgfischer.com](mailto:info.de.ps@georgfischer.com)  
[www.georgfischer.de](http://www.georgfischer.de)

### India

Georg Fischer Piping Systems Ltd  
400 076 Mumbai  
Phone +91 224007 2001  
[in.ps@georgfischer.com](mailto:in.ps@georgfischer.com)  
[www.georgfischer.in](http://www.georgfischer.in)

### Italy

Georg Fischer S.p.A.  
20063 Cernusco S/N (MI)  
Phone +3902 921 861  
[it.ps@georgfischer.com](mailto:it.ps@georgfischer.com)  
[www.georgfischer.it](http://www.georgfischer.it)

### Japan

Georg Fischer Ltd  
556-0011 Osaka,  
Phone +81(0)6 6635 2691  
[jp.ps@georgfischer.com](mailto:jp.ps@georgfischer.com)  
[www.georgfischer.jp](http://www.georgfischer.jp)

### Korea

Georg Fischer Piping Systems  
271-3 Seoheyeon-dong Bundang-gu  
Seongnam-si, Gyeonggi-do  
Seoul 463-824  
Phone +82 31 8017 1450 3  
Fax +82 31 8017 1454  
[kor.ps@georgfischer.com](mailto:kor.ps@georgfischer.com)  
[www.georgfischer.kr](http://www.georgfischer.kr)

### Malaysia

George Fischer (M) Sdn. Bhd.  
40460 Shah Alam, Selangor Darul Ehsan  
Phone +60 (0)3 5122 5585  
[my.ps@georgfischer.com](mailto:my.ps@georgfischer.com)  
[www.georgfischer.my](http://www.georgfischer.my)

### Mexico/Northern Latin America

Georg Fischer S.A. de C.V.  
Apodaca, Nuevo Leon  
CP66636 Mexico  
Phone +52 (81)1340 8586  
Fax +52 (81)1522 8906  
[mx.ps@georgfischer.com](mailto:mx.ps@georgfischer.com)  
[www.georgfischer.mx](http://www.georgfischer.mx)

### Middle East

George Fischer Piping Systems  
Dubai, United Arab Emirates  
Phone +971 4 289 49 60  
[info.export@georgfischer.com](mailto:info.export@georgfischer.com)  
[www.export.georgfischer.com](http://www.export.georgfischer.com)

### Netherlands

Georg Fischer N.V.  
8161 PA Epe  
Phone +31(0)578 678 222  
[nl.ps@georgfischer.com](mailto:nl.ps@georgfischer.com)  
[www.georgfischer.nl](http://www.georgfischer.nl)

### Norway

Georg Fischer AS  
1351 Rud  
Phone +47(0)67 18 29 00  
[no.ps@georgfischer.com](mailto:no.ps@georgfischer.com)  
[www.georgfischer.no](http://www.georgfischer.no)

### Poland

Georg Fischer Sp. z o.o.  
05-090 Sekocin Nowy  
Phone +48(0)22 31 31 0 50  
[poland.ps@georgfischer.com](mailto:poland.ps@georgfischer.com)  
[www.georgfischer.pl](http://www.georgfischer.pl)

### Romania

Georg Fischer  
Piping Systems Ltd  
020257 Bucharest - Sector 2  
Phone +40(0)21 230 53 80  
[ro.ps@georgfischer.com](mailto:ro.ps@georgfischer.com)  
[www.export.georgfischer.com](http://www.export.georgfischer.com)

### Russia

Georg Fischer Piping Systems  
Moscow 125047  
Tel. +7 495 258 60 80  
[ru.ps@georgfischer.com](mailto:ru.ps@georgfischer.com)  
[www.georgfischer.ru](http://www.georgfischer.ru)

### Singapore

George Fischer Pte Ltd  
528 872 Singapore  
Phone +65(0)67 47 06 11  
[spp.ps@georgfischer.com](mailto:spp.ps@georgfischer.com)  
[www.georgfischer.sg](http://www.georgfischer.sg)

### Spain/Portugal

Georg Fischer S.A.  
28046 Madrid  
Phone +34(0)91 781 98 90  
[es.ps@georgfischer.com](mailto:es.ps@georgfischer.com)  
[www.georgfischer.es](http://www.georgfischer.es)

### Sweden

Georg Fischer AB  
117 43 Stockholm  
Phone +46(0)8 506 775 00  
[info.se.ps@georgfischer.com](mailto:info.se.ps@georgfischer.com)  
[www.georgfischer.se](http://www.georgfischer.se)  
[www.georgfischer.fi](http://www.georgfischer.fi)

### Switzerland

Georg Fischer  
Rohrleitungssysteme (Schweiz) AG  
8201 Schaffhausen  
Phone +41(0)52 631 30 26  
[ch.ps@georgfischer.com](mailto:ch.ps@georgfischer.com)  
[www.piping.georgfischer.ch](http://www.piping.georgfischer.ch)

### Taiwan

Georg Fischer Piping Systems  
San Chung City, Taipei Hsien  
Phone +886 2 8512 2822  
Fax +886 2 8512 2823  
[www.georgfischer.tw](http://www.georgfischer.tw)

### United Kingdom/Ireland

Georg Fischer Sales Limited  
Coventry, CV2 2ST  
Phone +44(0)2476 535 535  
[uk.ps@georgfischer.com](mailto:uk.ps@georgfischer.com)  
[www.georgfischer.co.uk](http://www.georgfischer.co.uk)

### USA/Caribbean

Georg Fischer LLC  
Tustin, CA 92780-7258  
Phone +1(714) 731 88 00  
Toll Free 800 854 40 90  
[us.ps@georgfischer.com](mailto:us.ps@georgfischer.com)  
[www.gfpiping.com](http://www.gfpiping.com)

### Vietnam

Georg Fischer Pte Ltd  
136E Tran Vu, Ba Dinh District, Hanoi  
Phone +84 4 3715 3290  
Fax +84 4 3715 3285

### International

Georg Fischer  
Piping Systems (Switzerland) Ltd.  
8201 Schaffhausen/Switzerland  
Phone +41(0)52 631 30 03  
Fax +41(0)52 631 28 93  
[info.export@georgfischer.com](mailto:info.export@georgfischer.com)  
[www.export.georgfischer.com](http://www.export.georgfischer.com)

**+GF+**

**GEORG FISCHER**  
PIPING SYSTEMS