Pall Corporation

Technical Addendum

LP01028

Pall Advanta™ II AGT Single Round Filter Housings. AGT1()()G()()()BPE

To be read in conjunction with Pall publication SD 2173 (LP00790): 'General Filter Housing Installation and Service Instructions'.



Contents

1 Introduction 3
2 Filter Housing 4
3 Design and Operating Conditions 7
4 Spares and Accessories 8

1 Introduction

This document is a Technical Addendum to the General Filter Housing Installation and Service Instructions, SD 2173 (LP00790), which contains detailed instructions on the installation and operation of Pall filter housings in Bulgarian, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Maltese, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish and Turkish.

2 Filter Housing

The example shown is an AGT11G23BPE housing.

Figure 1.

Assembly part number AGT1()()G()()()BPE

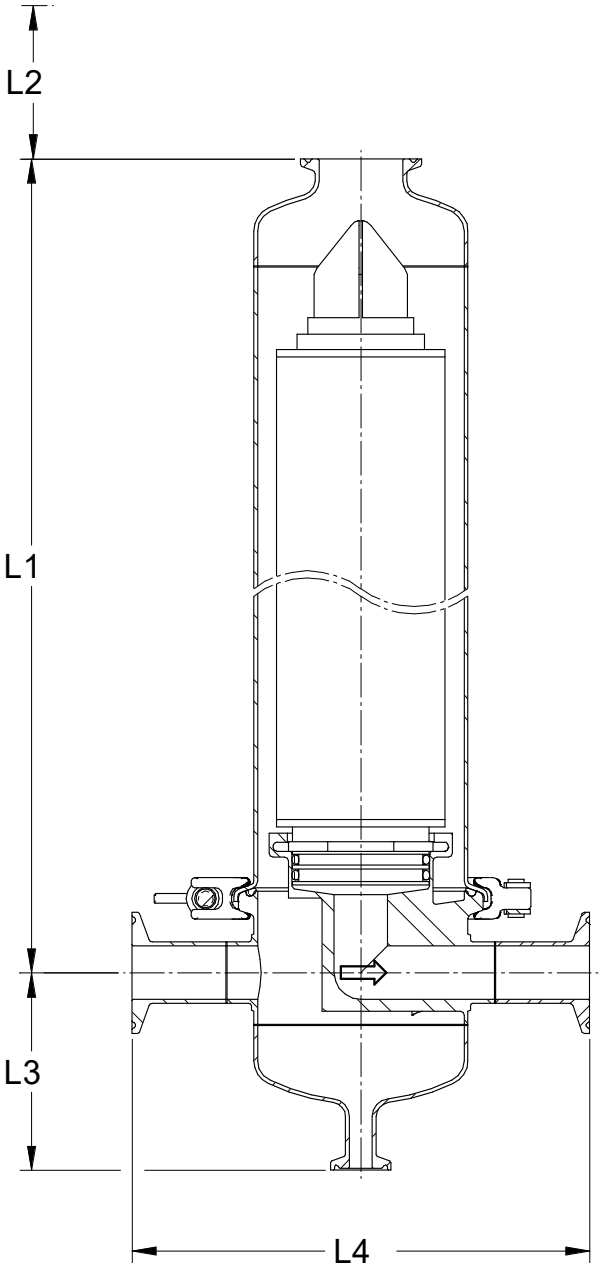


Table 1.

Height, volume, and weight. Assembly part number AGT1()()G23BPE

AGT1()()G23BPE *(Insert Height Code)*

Height Code	Nominal Cartridge Length mm (in.)	Dimension L1 mm (in.)	Dimension L2 mm (in.)	Volume L (US Gals)	Weight Kg (lb)
05	127 (5)	248 (9.8)	220 (8.66)	1.6 (0.42)	3.3 (7.3)
1	254 (10)	384 (15.12)	350 (13.78)	2.4 (0.63)	3.8 (8.4)
2	508 (20)	635 (25.0)	600 (23.62)	3.8 (1.0)	4.7 (10.4)
3	762 (30)	910 (35.83)	850 (33.46)	5.4 (1.42)	5.6 (12.3)

Table 2.

Height, volume, and weight. Assembly part number AGT1()()G23LBPE

AGT1()()G23LBPE *(Insert Height Code)*

Height Code	Nominal Cartridge Length mm (in.)	Dimension L1 mm (in.)	Dimension L2 mm (in.)	Volume L (US Gals)	Weight Kg (lb)
05	127 (5)	254 (10.0)	220 (8.66)	1.7 (0.44)	3.5 (7.7)
1	254 (10)	390 (15.35)	350 (13.78)	2.4 (0.63)	4.0 (8.8)
2	508 (20)	641 (25.24)	600 (23.62)	3.9 (1.03)	4.9 (10.8)
3	762 (30)	916 (36.06)	850 (33.46)	5.5 (1.45)	5.9 (13.0)

Table 3.

Height, volume, and weight. Assembly part number AGT1()()G31BPE

AGT1()()G31BPE *(Insert Height Code)*

Height Code	Nominal Cartridge Length mm (in.)	Dimension L1 mm (in.)	Dimension L2 mm (in.)	Volume L (US Gals)	Weight Kg (lb)
05	127 (5)	261 (10.28)	220 (8.66)	1.7 (0.44)	3.8 (8.4)
1	254 (10)	397 (15.63)	350 (13.78)	2.5 (0.66)	4.3 (9.5)
2	508 (20)	648 (25.51)	600 (23.62)	4.0 (1.05)	5.2 (11.47)
3	762 (30)	923 (36.34)	850 (33.46)	5.6 (1.47)	6.2 (13.67)

Table 4.

Height, volume, and weight. Assembly part number AGT1()()G94BPE

AGT1()()G94BPE *(Insert Height Code)*

Height Code	Nominal Cartridge Length mm (in.)	Dimension L1 mm (in.)	Dimension L2 mm (in.)	Volume L (US Gals)	Weight Kg (lb)
05	127 (5)	254 (10.0)	220 (8.66)	1.7 (0.44)	3.7 (8.1)
1	254 (10)	390 (15.35)	350 (13.78)	2.4 (0.63)	4.1 (9.0)
2	508 (20)	641 (25.24)	600 (23.62)	3.9 (1.05)	5.0 (11.0)
3	762 (30)	916 (36.06)	850 (33.46)	5.5 (1.45)	6.0 (13.2)

Table 5.

Inlet and outlet connection dimensions. Assembly part number AGT1()()G95BPE

AGT1()()G95BPE *(Insert Inlet/Outlet Code)*

Height Code	Nominal Cartridge Length mm (in.)	Dimension L1 mm (in.)	Dimension L2 mm (in.)	Volume L (US Gals)	Weight Kg (lb)
05	127 (5)	256 (10.08)	220 (8.66)	1.7 (0.44)	3.9 (8.6)
1	254 (10)	392 (15.43)	350 (13.78)	2.5 (0.66)	4.3 (9.5)
2	508 (20)	643 (25.31)	600 (23.62)	4.0 (1.05)	5.2 (11.5)
3	762 (30)	918 (30.0)	850 (33.46)	5.6 (1.47)	6.2 (13.7)

Table 6.

Inlet and outlet connection dimensions. Assembly part number AGT1()()G()()()BPE

AGT1()()G()()()BPE *(Insert Inlet/Outlet Code)*

Inlet / outlet Code	Dimension L3 mm (in.)	Dimension L4 mm (in.)
23	82 ±1 (3.23 ±0.04)	190 ±1.5 (7.48 ±0.06)
23L	88 ±1 (3.46 ±0.04)	190 ±1.5 (7.48 ±0.06)
31	95 ±1 (3.74 ±0.04)	190 ±1.5 (7.48 ±0.06)
94	88 ±1 (3.46 ±0.04)	190 ±1.5 (7.48 ±0.06)
96	99 ±1 (3.90 ±0.04)	190 ±1.5 (7.48 ±0.06)

3 Design and Operating Conditions

Table 7.

Design and Operating Conditions

Design Code: AGT105G()()()BPE AGT11G()()()BPE AGT12G()()()BPE AGT13G()()()BPE	 PED / PER assessment SEP (Note 1) PED / PER assessment SEP (Note 1) PED / PER assessment Module H Cat I (Note 1) PED / PER assessment Module H Cat II (Note 1)
Design Pressure (Po)	-1 to 10 bar g (-14.5 to 145 psi g)
Design Temperature (To)	-10 to 150 °C (14 to 300 °F)
Maximum Differential Pressure (Δp)	5.0 bar (72.5 psi)
Maximum Operating Pressure (Pmax)	10 bar g (145 psi g)
Maximum Operating Temperature (Tmax)	150 °C (302 °F)
Installation Clearance Requirement (ICR)	See Tables 1, 2, 3 and 4. Dimension L2
Closure Seal Material	Silicone
Volume (Vol)	See Tables 1, 2, 3, 4 and 5
Torque Setting of Closure (Tsc)	12 Nm

Note 1: PED: Pressure Equipment Directive. PER: Pressure Equipment Regulations. SEP: Sound Engineering Practice

4 Spares and Accessories

Table 8.

Vent Connections

A2V()H4BPE *(Insert Code)*

Code	Vent Connection	Included Gasket(s)	Included V-band Clamp(s)
H	In-line quick release	Silicone	1½ in. v-band clamp
K	In-line hosetail release	Silicone	1½ in. v-band clamp
C	1½ in. clamp coupling and quick release valve	Silicone	1½ in. and ½ in. v-band clamp
S	1½ in. and ½ in. clamp coupling	Silicone	1½ in. v-band clamp
D	½ in. clamp coupling	Silicone	1½ in. v-band clamp
N	Blanking cap	Silicone	1½ in. v-band clamp

Figure 2.
Option H (Not 3-A compliant)



Figure 3.
Option K (Not 3-A compliant)

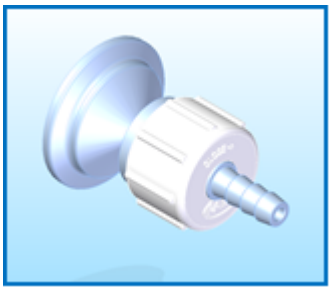


Figure 4.
Option C (Not 3-A compliant)



Figure 5.
Option S



Figure 6.
Option D

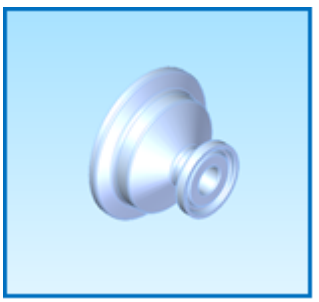


Figure 7.
Option N

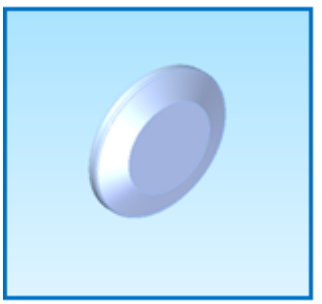


Table 9.

Drain Connections

A2D()H4BPE *(Insert Code)*

Code	Drain Connection	Included Gasket(s)	Included V-Band Clamp(s)
H	In-line quick release	Silicone	½ in. v-band clamp
K	In-line hosetail release	Silicone	½ in. v-band clamp
N	Blanking cap	Silicone	½ in. v-band clamp

Figure 8.
Option H (Not 3-A compliant)

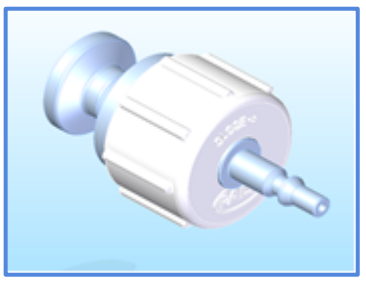


Figure 9.
Option K (Not 3-A compliant)

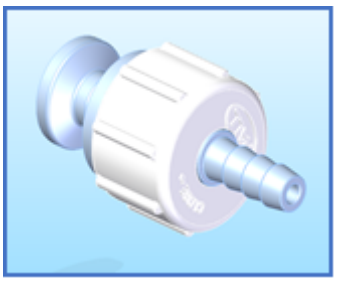


Figure 10.
Option N

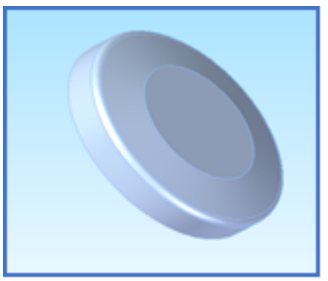


Table 10.

Valve Seal Kits

Part Number	Material	Quantity
ACS0718EU	Silicone	10
ACS1139EH	Fluorocarbon	10
ACS1098EM	Kalrez◆[1]	1
ACS1198EU	Platinum cured silicone[1]	10
ACS0719EX	Ethylene propylene diene monomer (EPDM)	10

[1] Material not 3-A approved

Table 11.

½ in. Clamp Coupling Gasket Kits

Part Number	Material	Quantity
KCC72206/10	Silicone	10
KCC57499/10	Fluorocarbon	10
KCA59303/10	Polytetrafluoroethylene (PTFE)	10
KCA65699/10	Platinum cured silicone[1]	10
KCA68494/10	Ethylene propylene diene monomer (EPDM)	10

[1] Material not 3-A approved

Table 12.

1½ in. Clamp Coupling Gasket Kits

Part Number	Material	Quantity
KCA67423/10	Silicone	10
KLS00105/10	Fluorocarbon	10
KLS00536/10	Polytetrafluoroethylene (PTFE)	10
KCA66070/10	Platinum cured silicone[1]	10
KCA67421/10	Ethylene propylene diene monomer (EPDM)	10

[1] Material not 3-A approved

Table 13.

Closure O-Ring

Part Number	Material	Quantity
KORH4PW-238	Silicone	1
KORHPW-238	Fluorocarbon	1
KORH11DP-238	Kalrez[1]	1
KORH31P-238	Platinum cured silicone[1]	1
KORJPW-238	Ethylene propylene diene monomer (EPDM)	1
KORH1PW-238	FEP Encapsulated Fluorocarbon	1

[1] Material not 3-A approved

Table 14.

Clamp Kits

Part Number	Material	Material	Quantity
ACS0383DA	½ in. clamp coupling	304 stainless steel	1
ACS1194DA	1½ in. clamp coupling	304 stainless steel	1
ACS1195DA	Single bolted closure clamp	1.4308 stainless steel	1
ACS1196DA	Double bolted closure clamp	304 stainless steel / brass	1



Corporate Headquarters
Port Washington, NY, USA
+1.800.717.7255 toll free (USA)
+1.516.484.5400 phone

European Headquarters
Fribourg, Switzerland
+41 (0)26 350 53 00 phone

Asia-Pacific Headquarters
Singapore
+65 6389 6500 phone

Visit us on the Web at www.pall.com

Contact us at www.pall.com/contact

International Offices

Pall Corporation has offices and plants throughout the world in locations such as: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, the United Kingdom, the United States, and Venezuela. Distributors in all major industrial areas of the world. To locate the Pall office or distributor nearest you, visit www. Pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

© 2020 Pall Corporation. The Pall logo, Pall and Pall Advanta are trademarks of Pall Corporation.
® indicates a trademark registered in the USA and TM indicates a common law trademark.
♦ Kalrez is a trademark of Dupont Polymers, Inc. Corporation.
Filtration. Separation. Solution is a service mark of Pall Corporation.

01st December 2020 LP01028 Rev: B