

SPECIFICATION SHEET



Series AGD

Air Gap Drains for Use With 825Y, 825YD and 826YD Reduced Pressure Devices

AGD-Y: 3/4" - 2" (20mm - 50mm) / PN 905082

AGD-L: 2 1/2" - 10" (65mm - 250mm) / PN 905083

Features

- Reduces amount of water splashing in area around reduced pressure assemblies.
- Funnels minor relief valve discharge into drain.
- Conforms to air gap installation requirements.

Operation

The FEBCO Air Gap Drain is designed to be installed under the 825Y 3/4" - 2" (20 - 50mm) and 825YD 2 1/2" - 10" (65 - 250mm) reduced pressure assemblies to catch minor relief valve discharge due to pressure fluctuations and/or minor check valve fouling.

NOTE: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.

Specifications

The air gap drain shall be corrosion resistant material with stainless steel mounting fasteners. The drain must be of a design that allows mounting by attachment of the drain to the relief valve of a reduced pressure assembly.

The air gap drain shall be FEBCO Series AGD or prior approved equal.

NOTE: Consult local codes to insure drain installation meets all requirements.

Dimensions – Weights

Size: 3/4" - 10" (20 - 250mm)

| SIZE (DN) | | DIMENSIONS | | | | | | WEIGHTS | |
|-------------|---------|------------|-----|-------|-----|---------|------|---------|--|
| in. | mm | A | mm | B | mm. | C | lbs. | kgs. | |
| 3/4 - 1 1/4 | 20 - 32 | 6 1/2 | 165 | 2 | 51 | 1" Pipe | .12 | .05 | |
| 1 1/2 - 2 | 40 - 50 | 7 1/2 | 191 | 2 3/4 | 70 | 1" Pipe | .12 | .05 | |
| 2 1/2 | 65 | 12 1/4 | 311 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 3 | 80 | 12 1/2 | 318 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 4 | 100 | 12 3/4 | 324 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 6 | 150 | 13 | 330 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 8 | 200 | 13 1/2 | 343 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 10 | 250 | 13 3/4 | 349 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |

Note: Dimensions are nominal. Allowances must be made for normal manufacturing tolerances.

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____



Materials

Funnel: Corrosion resistant

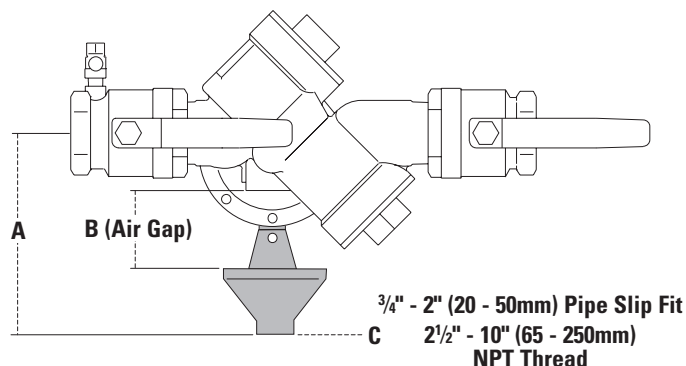
Mounting Fasteners: Stainless Steel

Typical Installation

CAUTION: This drain is intended to catch minor relief valve discharges due to line pressure fluctuations and minor check valve fouling. Under certain conditions relief valves can discharge water at rates significantly greater than the drain capacity.

1. Before installation check local codes. This type of drain may not be approved for use in some areas.
2. After installation of RP device and piping, attach drain funnel onto pipe. Do not use the RP device to support the drain pipe weight.
3. Sizes: 3/4", 1", & 1 1/4" (20, 25, 32mm): Attach funnel with the shorter bolt by threading through the funnel into the tapped hole in the relief valve body.

Sizes: 1 1/2" and 2" (40 & 50mm): Replace the lower cover bolt with the supplied long (relieve all pressure in the device before removing the cover bolt). Attach spacer to funnel using smaller bolt and nut. Position funnel/spacer over the protruding bolt end and secure with the supplied nut.



3/4" - 2" (20 - 50mm) Pipe Slip Fit
2 1/2" - 10" (65 - 250mm) NPT Thread



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A Watts Water Technologies Company

SPECIFICATION SHEET



Series AGD

Air Gap Drains for Use With 825Y, 825YD and 826YD Reduced Pressure Devices

AGD-Y: 3/4" - 2" (20mm - 50mm) / PN 905082

AGD-L: 2 1/2" - 10" (65mm - 250mm) / PN 905083

Features

- Reduces amount of water splashing in area around reduced pressure assemblies.
- Funnels minor relief valve discharge into drain.
- Conforms to air gap installation requirements.

Operation

The FEBCO Air Gap Drain is designed to be installed under the 825Y 3/4" - 2" (20 - 50mm) and 825YD 2 1/2" - 10" (65 - 250mm) reduced pressure assemblies to catch minor relief valve discharge due to pressure fluctuations and/or minor check valve fouling.

NOTE: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.

Specifications

The air gap drain shall be corrosion resistant material with stainless steel mounting fasteners. The drain must be of a design that allows mounting by attachment of the drain to the relief valve of a reduced pressure assembly.

The air gap drain shall be FEBCO Series AGD or prior approved equal.

NOTE: Consult local codes to insure drain installation meets all requirements.

Dimensions – Weights

Size: 3/4" - 10" (20 - 250mm)

| SIZE (DN) | | DIMENSIONS | | | | | | WEIGHTS | |
|-------------|---------|------------|-----|-------|-----|---------|------|---------|--|
| in. | mm | A | | B | | C | lbs. | kgs. | |
| | | in. | mm | in. | mm. | in. | | | |
| 3/4 - 1 1/4 | 20 - 32 | 6 1/2 | 165 | 2 | 51 | 1" Pipe | .12 | .05 | |
| 1 1/2 - 2 | 40 - 50 | 7 1/2 | 191 | 2 3/4 | 70 | 1" Pipe | .12 | .05 | |
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| 3 | 80 | 12 1/2 | 318 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
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| 6 | 150 | 13 | 330 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 8 | 200 | 13 1/2 | 343 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |
| 10 | 250 | 13 3/4 | 349 | 5 3/4 | 146 | 2" NPT | 7 | 3.2 | |

Note: Dimensions are nominal. Allowances must be made for normal manufacturing tolerances.

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____



Materials

Funnel: Corrosion resistant

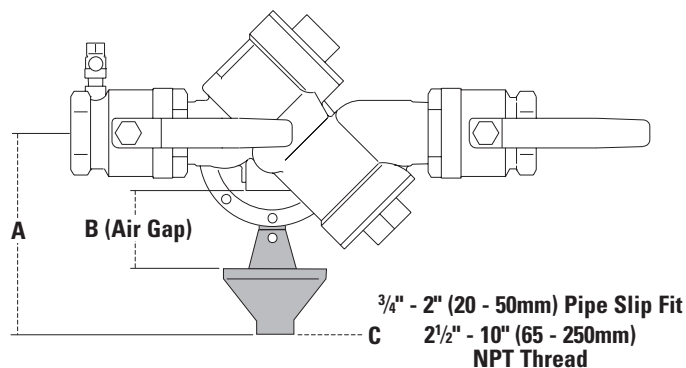
Mounting Fasteners: Stainless Steel

Typical Installation

CAUTION: This drain is intended to catch minor relief valve discharges due to line pressure fluctuations and minor check valve fouling. Under certain conditions relief valves can discharge water at rates significantly greater than the drain capacity.

1. Before installation check local codes. This type of drain may not be approved for use in some areas.
2. After installation of RP device and piping, attach drain funnel onto pipe. Do not use the RP device to support the drain pipe weight.
3. Sizes: 3/4", 1", & 1 1/4" (20, 25, 32mm): Attach funnel with the shorter bolt by threading through the funnel into the tapped hole in the relief valve body.

Sizes: 1 1/2" and 2" (40 & 50mm): Replace the lower cover bolt with the supplied long (relieve all pressure in the device before removing the cover bolt). Attach spacer to funnel using smaller bolt and nut. Position funnel/spacer over the protruding bolt end and secure with the supplied nut.



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A Watts Water Technologies Company

SPECIFICATION SHEET



Series 601-M

Air Gap Drains for Use With MasterSeries® 860/860U

Size: ½" - 2" (15 - 50mm)



601

The air gap drain is designed to be installed under the 860 / 860U ½" - 2" (15 - 50mm) reduced pressure assemblies to catch moderate relief valve discharge due to pressure fluctuations and/or minor check valve fouling.

Note: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.

Features

- Reduces amount of water splashing in area around reduced pressure assemblies.
- Funnels moderate relief valve discharge into drain.
- Designed to fit standard 1" and 2" pipe.

Specifications

The air gap drain shall be corrosion resistant material with stainless steel mounting fasteners. The drain must be of a design that allows mounting by attachment of the drain to the relief valve of a reduced pressure assembly.

The air gap shall provide connection for a minimum drain minimum drain size equal to the valve size or greater. Smaller diameter drain pipe shall not be allowed in order to minimize potential overflow water damage. Larger diameter drains are acceptable by use of standard pipe connectors.

The air gap drain shall be FEBCO Series 601 ½" - 2" (15 - 50mm).

Note: Consult local codes to insure drain installation meets all local requirements.

Dimensions

| VALVE SIZE | | 'A' | | 'B' | | 'C' | |
|------------|----|----------------------------------|-----|-----|----|----------|----|
| in. | mm | in. | mm | in. | mm | in.(NPT) | mm |
| ½ | 15 | 8 ⁵ / ₁₆ | 211 | 1 | 25 | 1 | 25 |
| ¾ | 20 | 8 ⁵ / ₁₆ | 211 | 1 | 25 | 1 | 25 |
| 1 | 25 | 8 ⁵ / ₁₆ | 217 | 1 | 25 | 1 | 25 |
| 1¼ | 32 | 12 ¹¹ / ₁₆ | 322 | 1¾ | 44 | 2 | 50 |
| 1½ | 40 | 12 ¹¹ / ₁₆ | 322 | 1¾ | 44 | 2 | 50 |
| 2 | 50 | 12 ¹¹ / ₁₆ | 322 | 1¾ | 44 | 2 | 50 |

Note: Dimensions are nominal. Allowances must be made for normal manufacturing tolerances.

Materials

| | |
|--------------------|------------------------------|
| Funnel: | ASTM A48 |
| Funnel Connectors: | ASTM B26 Alloy 356 |
| Coating: | Vitralon polyurethane, black |

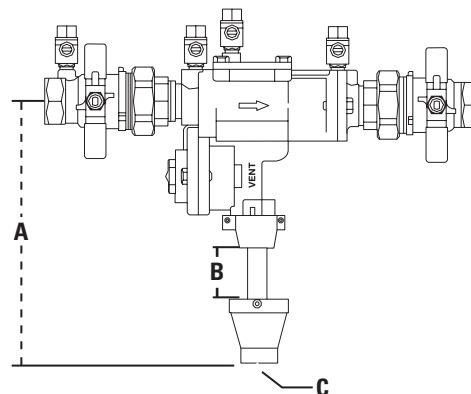
Typical Installation

1. Before installation check local codes. This type of drain may not be approved for use in some areas.

Caution: This drain is intended to catch moderate relief valve discharges due to line pressure fluctuations and minor check valve fouling. Under certain conditions relief valves can discharge water at rates greater than the drain capacity.

2. If installed indoors, the assembly should be installed near a floor drain sized to adequately handle discharge.
3. After installation of backflow assembly and piping, attach drain funnel to relief as shown, using self tapping screws provided in kit to join drain funnel halves together, making sure that the slots in the drain funnel are located over tabs on relief valve port.

Note: Drain funnel was not designed to, nor is it able to support drain-pipe weight.



Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____



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SPECIFICATION SHEET



Series 601-P

Air Gap Drain for Use With MasterSeries® 860/860U

Size: ½" - 2" (15 - 50mm)

The air gap drain is designed to be installed under the 860 / 860U ½" - 2" (15 - 50mm) reduced pressure assemblies to catch moderate relief valve discharge due to pressure fluctuations and/or minor check valve fouling.

Note: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.



601

Features

- Reduces amount of water splashing in area around reduced pressure assemblies.
- Funnels moderate relief valve discharge into drain.
- Designed to fit standard 2" pipe.

Specifications

The air gap drain shall be corrosion resistant material with stainless steel mounting fasteners. The drain must be of a design that allows mounting by attachment of the drain to the relief valve of a reduced pressure assembly.

The air gap shall provide connection for a minimum drain size of 2" (50mm) drain pipe. Smaller diameter drain pipe shall not be allowed in order to minimize potential overflow water damage. Larger diameter drains are acceptable by use of standard pipe connectors.

The air gap drain shall be FEBCO Series 601 (½" - 2", 15 - 50mm).

Note: Consult local codes to insure drain installation meets all local requirements.

Materials

Funnel: Corrosion resistant ABS

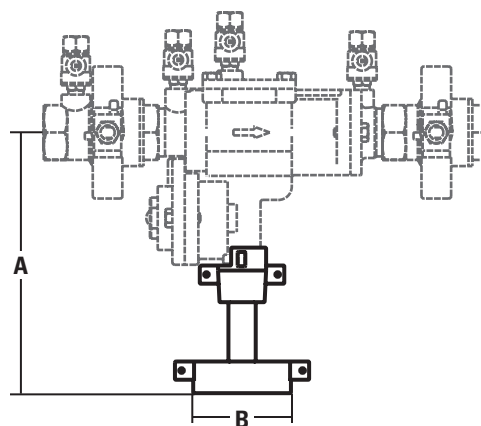
Mounting fasteners: Stainless Steel.

Typical Installation

1. Before installation check local codes. This type of drain may not be approved for use in some areas.
Caution: This drain is intended to catch moderate relief valve discharges due to line pressure fluctuations and minor check valve fouling. Under certain conditions relief valves can discharge water at rates greater than the drain capacity.
2. If installed indoors, the assembly should be installed near a floor drain sized to adequately handle discharge.
3. After installation of backflow assembly and piping, attach drain funnel to relief as shown, using self tapping screws provided in kit to join drain funnel halves together, making sure that the slots in the drain funnel are located over tabs on relief valve port.

Note: Discharge of drain funnel is a slip fit design. Drain funnel was not designed to, nor is it able to support drainpipe weight.

Dimensions



Pipe Connection

Size: ½" - 2" (15mm - 50mm)

| SIZE (DN) | | DIMENSIONS | | |
|-----------|----|------------|-----|---------|
| | | A | | B |
| in. | mm | in. | mm | in. |
| ½ | 15 | 7 1/8 | 181 | 2" Pipe |
| ¾ | 20 | 7 1/8 | 181 | 2" Pipe |
| 1 | 25 | 7 1/4 | 184 | 2" Pipe |
| 1 1/4 | 32 | 13 | 330 | 2" Pipe |
| 1 1/2 | 40 | 13 | 330 | 2" Pipe |
| 2 | 50 | 13 | 330 | 2" Pipe |

Note: Dimensions are nominal. Allowances must be made for normal manufacturing tolerances.

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____



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Series 601-M

Air Gap Drains for Use With MasterSeries® Reduced Pressure Assembly

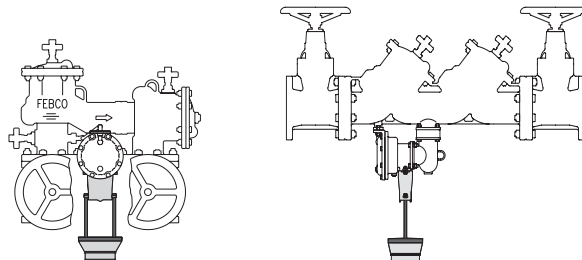
Sizes: 2½" - 10" (65mm-250mm)



Air Gap Drain Kit

The FEBCO Series 601 Air Gap Drain Kit is constructed of coated aluminum. The air gap drain is designed to be attached to the relief valve of MasterSeries® reduced pressure assemblies, sizes 2½" - 10" (65mm - 250mm). Four inch drainage piping may be attached to drain, creating a system that catches and removes minor relief valve discharges due to pressure fluctuations and/or minor check valve fouling.

Note: The gap drain is not designed to catch the maximum discharge possible from the relief valve. The installation of FEBCO air gap with the drain line terminating above a floor drain will handle any normal discharge or nuisance spitting through the relief valve. However, floor drain size may need to be designed to prevent water damage caused by a catastrophic failure condition. Do not reduce the size of the drain line from the air gap fitting.



Airgap Drain Front View Series 880

Airgap Drain Side View Series 860

Part Number: 905213

Features

- Nozzle design directs flow directly into funnel, reducing side spray.
- Funnels minor relief valve discharges into drains.
- Lightweight for easy installation.
- Coated for corrosion resistance.
- 4" (100mm) funnel outlet is designed to accept a hubless pipe coupling for simple drain pipe installation.

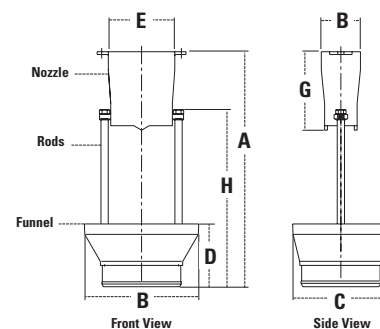
Materials

- Nozzle: ASTM B26 Alloy 356
- Funnel: ASTM B26 Alloy 356
- Rods: ASTM B241 Alloy 6063 Coating Pratt & Lambert, Inc. Vitralon polyurethane coating black # 88-1204 or equivalent

Dimensions and Weights

Size: 2½"-10" (65mm-250mm)

| DIMENSIONS | | | | | | | | | | | | WEIGHTS | | | | | |
|------------|-----|-----|-----|-----|-----|-----|----|-----|----|-----|----|---------|-----|-----|-----|------|------|
| A | | B | | C | | D | | E | | F | | G | | H | | lbs. | kgs. |
| in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | | |
| 13⅞ | 333 | 6⅜ | 162 | 5⅞ | 137 | 3½ | 89 | 3⅓ | 97 | 2⅞ | 56 | 4⅞ | 111 | 9⅞ | 251 | 2.2 | 1.0 |



Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____



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