









# Order Cover Sheet Round Duct



Customer Use		
Name (requestor):	Tel:	
Company:	Fax:	
P.O. Box / Street:	Cell:	
City / State / Zip:	Email:	
Project Name:	P.O. Number:	
Project Location:	RFQ Number:	
Requested Lead Time:	RFQ Due Date:	

PureGuard LLC Use		
Job Number:	Order Date:	Ship Date:

**PureGuard LLC** 

INS.	TDI	$\sim$ T	'IO	NIC
IIV	ıĸu	16.1	IU	IN O



#### **Index Round Duct**





- 1-0 Cover Sheet
- 1-1 Index

#### **Duct and Angle Ring Specifications:**

1-2	Straight Duct Gauge Requirements - 4' Lengths
1-3	Straight Duct Gauge Requirements - 5' Lengths
1-4	Straight Duct Gauge Requirements - 8' Lengths

#### 1-5 Angle Ring Specifications

#### Straight Duct & Elbows:

1-7	SS-100	Round Straight Duct
1-8	SS-101	Round Duct Offset
1-12	SS-130	90° Long Radius 5-Gore Mitered Elbow
1-13	SS-131	90° Short Radius 5-Gore Mitered Elbow
1-14	SS-133	60° Long Radius 4-Gore Mitered Elbow
1-15	SS-134	60° Short Radius 4-Gore Mitered Elbow
1-16	SS-135	45° Long Radius 3-Gore Mitered Elbow
1-17	SS-136	45° Short Radius 3-Gore Mitered Elbow
1-18	SS-137	30° Long Radius 2-Gore Mitered Elbow
1-19	SS-138	30° Short Radius 2-Gore Mitered Elbow
1-20	SS-139	15° 2-Gore Mitered Elbow

#### **Reducers & Transitions:**

1-21	SS-150	Square to Round Transition: SS-150
1-22	SS-159	Square to Round Offset Transition: SS-159
1-23	SS-160	Concentric Reducer: SS-160
1-24	SS-165	Eccentric Reducer: SS-165

#### **Shop Installed Taps:**

1-25	SS-171	Straight Duct with Drain
1-26	SS-172	Straight Duct with Straight Tap
1-27	SS-175	Straight Duct with Conical Tap
1-28	SS-177	Straight Duct with Shoe Tap
1-29	SS-182	Straight Duct wtih 45° Lateral Tap
1-30	SS-186	45° Reducing Wye
1-31	SS-188	45° Reducing Wye
1-32	SS-190	Straight Duct with Tangential Straight Tap
1-33	SS-192	Straight Duct with Tangential 45° Lateral Tap
1-34	SS-195	Wye
1-35	SS-198	Dimensional Layout for Multiple Tap Styles
1-36	SS-198	Straight Duct with Multiple Tap Styles

#### **Custom Fittings:**

1-37	SS-199	Custom Fitting
1-01	00-100	Ouston i ittiiiq

#### Field Installed Saddle Tap & Bulkhead Connections:

1-40	SS-172-FT	Field Installed Straight Saddle Tap
1-41	SS-175-FT	Field Installed Conical Saddle Tap
1-42	SS-177-FT	Field Installed Shoe Saddle Tap
1-43	SS-182-FT	Field Installed 45° Lateral Saddle Tap

#### Field Installed Fittings, Rings, Clamps & End Caps:

1-44	SS-202-FT	Field Installed Flange for 2" & 3"
		Quick Clamp
1-45	SS-204-FT	Field Installed 2" Dia Bulkhead Flange
1-46	SS-219-FT	Field Installed MNPT Nipple
1-47	SS-223-FT	Field Installed Sample Ports
1-50	SS-200	Angle Rings
1-51	SS-201	Quick Clamps
1-52	SS-205	End Cap
1-53	SS-206	Clear View Cover
1-54	SS-208	End Cap for Quick Clamp
1-55	SS-209	Special Plate Flange
1-56	SS-250	No Loss Stack Cap

#### **QC Flange Adapters:**

1-60	SS-215	QC Flange to Angle Ring Adapter
1-61	SS-216	QC Flange to KF Flange Adapter
1-62	SS-217	QC Flange to ISO Flange Adapter
1-63	SS-218	QC Flange to Sanitary Flange Adapter
1-64	SS-220	QC Flange to Male / Female NPT
1-65	SS-221	QC Flange to PITOT Tube Adapter
1-66	SS-222	QC Flange to Sprinkler Adapter
1-71	SS-293	ISO Flange to Dual Guard Adapter
1-72	SS-294	KF Flange to Dual Guard Adapter

#### Dampers:

1-80	SS-300-A	4" - 20" Butterfly Damper
1-81	SS-300-B	4" -20" Butterfly Damper
		with Blade Seal
1-82	SS-300-C	22" - 34" Butterfly Damper
1-83	SS-300-D	36" - 48" Butterfly Damper
1-84	SS-300-E	> 48" Butterfly Damper
1-87	SS-315	4" - 20" Wafer Damper
1-88	SS-325	4" - 36" Horizontal Run
		Slide Gate Damper
1-89	SS-326	4" - 36" Vertical Run
		Slide Gate Damper
1-90	SS-327	> 36" Horizontal Run
		Dual Slide Gate Damper
1-91	SS-328	> 36" Vertical Run
		Dual Slide Gate Damper

#### Supplies & Gaskets:

1-100	SS-401	Tools & Supplies
1-101	SS-402	Goretex PTFE Gasket

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043

T 623.478.1800 / F 623.478.1860

Email: info@pureguard2.com



1-2 Order Sheet:

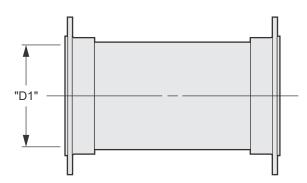
# Fitting: Straight Duct Gauge Requirements - 4' Lengths

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS						
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC
2	20	20	20	20	20	20	20
4	20	20	20	20	20	20	20
6	20	20	20	20	20	20	20
8	20	20	20	20	20	20	20
10	20	20	20	20	20	20	20
12	20	20	20	20	20	20	20
14	20	20	20	20	20	20	20
16	20	20	20	20	20	20	20
18	20	20	20	20	20	20	20
20	20	20	20	20	20	20	20
22	20	20	20	20	20	20	20
24	20	20	20	20	20	20	18
26	20	20	20	20	20	18	18
28	20	20	20	18	18	18	18
30	20	20	20	18	18	18	18
32	20	20	20	18	18	18	18
34	20	20	20	18	18	18	18
36	20	20	18	18	18	18	18
38	20	20	18	18	18	18	18
40	20	20	18	18	18	18	16
42	20	18	18	18	18	16	16
44	20	18	18	18	18	16	16
46	20	18	18	18	16	16	16
48	20	18	18	18	16	16	16
50	18	18	18	18	16	16	16
52	18	18	18	18	16	16	16
54	18	18	18	18	16	16	16
56	18	18	18	18	16	16	16
58	18	18	16	16	16	16	14
60	18	18	16	16	16	16	14

DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS							
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC	
62	18	18	16	16	16	14	14	
64	18	18	16	16	16	14	14	
66	18	18	16	16	16	14	14	
68	18	16	16	16	14	14	14	
70	18	16	16	16	14	14	14	
72	18	16	16	16	14	14	14	
74	18	16	16	16	14	14	14	
76	18	16	16	16	14	14	14	
78	18	16	16	16	14	14	14	
80	16	16	16	16	14	14	14	
82	16	16	16	16	14	14	14	
84	16	16	14	14	14	14	12	
86	16	16	14	14	14	14	12	
88	16	16	14	14	14	14	12	
90	16	16	14	14	14	12	12	
92	16	16	14	14	14	12	12	
94	16	16	14	14	14	12	12	
96	16	16	14	14	14	12	12	
98	16	14	14	14	12	12	12	
100	16	14	14	14	12	12	12	
102	16	14	14	14	12	12	12	
104	16	14	14	14	12	12	12	
106	16	14	14	14	12	12	12	
108	16	14	14	14	12	12	12	
110	16	14	14	14	12	12	12	
112	16	14	14	14	12	12	12	
114	16	14	14	14	12	12	12	
116	16	14	14	14	12	12	12	
118	14	14	14	14	12	12	12	
120	14	14	14	14	12	12	12	

**PureGuard LLC** 

IN	IST	ΒI	IC.	TIC	ONS
111	0	L		111	JING



**1-3** Order Sheet:

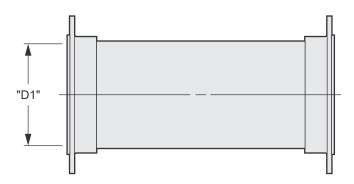
# Fitting: Straight Duct Gauge Requirements - 5' Lengths

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS						
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC
2	20	20	20	20	20	20	20
4	20	20	20	20	20	20	20
6	20	20	20	20	20	20	20
8	20	20	20	20	20	20	20
10	20	20	20	20	20	20	20
12	20	20	20	20	20	20	20
14	20	20	20	20	20	20	20
16	20	20	20	20	20	20	20
18	20	20	20	20	20	20	20
20	20	20	20	20	20	20	20
22	20	20	20	20	20	18	18
24	20	20	20	20	18	18	18
26	20	20	20	20	18	18	18
28	20	20	20	18	18	18	18
30	20	20	20	18	18	18	18
32	20	20	18	18	18	18	18
34	20	20	18	18	18	18	16
36	20	18	18	18	18	16	16
38	20	18	18	18	18	16	16
40	20	18	18	18	16	16	16
42	20	18	18	18	16	16	16
44	18	18	18	16	16	16	16
46	18	18	18	16	16	16	16
48	18	18	18	16	16	16	16
50	18	18	16	16	16	16	14
52	18	18	16	16	16	16	14
54	18	18	16	16	16	14	14
56	18	18	16	16	16	14	14
58	18	16	16	16	14	14	14
60	18	16	16	16	14	14	14

DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS							
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC	
62	18	16	16	16	14	14	14	
64	18	16	16	14	14	14	14	
66	18	16	16	14	14	14	14	
68	18	16	16	14	14	14	14	
70	16	16	16	14	14	14	14	
72	16	16	14	14	14	14	12	
74	16	16	14	14	14	14	12	
76	16	16	14	14	14	14	12	
78	16	16	14	14	14	12	12	
80	16	16	14	14	14	12	12	
82	16	16	14	14	14	12	12	
84	16	14	14	14	14	12	12	
86	16	14	14	14	12	12	12	
88	16	14	14	14	12	12	12	
90	16	14	14	14	12	12	12	
92	16	14	14	14	12	12	12	
94	16	14	14	12	12	12	12	
96	16	14	14	12	12	12	12	
98	16	14	14	12	12	12	12	
100	16	14	14	12	12	12	12	
102	14	14	14	12	12	12	12	
104	14	14	14	12	12	12	12	
106	14	14	12	12	12	12	12	
108	14	14	12	12	12	12	12	
110	14	14	12	12	12	12	12	
112	14	14	12	12	12	12	12	
114	14	14	12	12	12	12	12	
116	14	14	12	12	12	12	12	
118	14	14	12	12	12	12	12	
120	14	14	12	12	12	12	12	

**PureGuard LLC** 

INSTRUCTIONS:			



**1-4** Order Sheet:

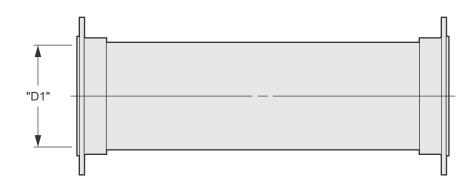
# Fitting: Straight Duct Gauge Requirements - 8' Lengths

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS						
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC
18	20	20	20	20	20	18	18
20	20	20	20	18	18	18	18
22	20	20	18	18	18	18	18
24	20	20	18	18	18	18	18
26	20	18	18	18	18	18	16
28	20	18	18	18	18	16	16
30	20	18	18	18	16	16	16
32	18	18	18	16	16	16	16
34	18	18	18	16	16	16	16
36	18	18	16	16	16	16	14
38	18	18	16	16	16	14	14
40	18	18	16	16	16	14	14
42	18	16	16	16	14	14	14
44	18	16	16	16	14	14	14
46	18	16	16	16	14	14	14
48	18	16	16	14	14	14	14
50	18	16	16	14	14	14	14
52	16	16	16	14	14	14	12
54	16	16	14	14	14	14	12
56	16	16	14	14	14	14	12
58	16	16	14	14	14	12	12
60	16	16	14	14	14	12	12
62	16	14	14	14	12	12	12
64	16	14	14	14	12	12	12
66	16	14	14	14	12	12	12
68	16	14	14	14	12	12	12

DUCT DIA.	MIN GAUGE REQUIREMENTS AT VARYING VACUUM LEVELS BASED ON 4'-0" SPACING FOR STIFFENERS SMACNA ROUND INDUSTRIAL STANDARDS							
"D1"	-6" WC	-8" WC	-10" WC	-12" WC	-14" WC	-16" WC	-18" WC	
70	16	14	14	12	12	12	12	
72	16	14	14	12	12	12	12	
74	14	14	14	12	12	12	12	
76	14	14	14	12	12	12	12	
78	14	14	12	12	12	12	12	
80	14	14	12	12	12	12	12	
82	14	14	12	12	12	12	12	
84	14	14	12	12	12	12	12	
86	14	14	12	12	12	12	12	
88	14	14	12	12	12	12	12	
90	14	12	12	12	12	12	12	
92	14	12	12	12	12	12	12	
94	14	12	12	12	12	12	10	
96	14	12	12	12	12	12	10	
98	14	12	12	12	12	12	10	
100	14	12	12	12	12	10	10	
102	14	12	12	12	12	10	10	
104	14	12	12	12	12	10	10	
106	14	12	12	12	12	10	10	
108	14	12	12	12	12	10	10	
110	12	12	12	12	10	10	10	
112	12	12	12	12	10	10	10	
114	12	12	12	12	10	10	10	
116	12	12	12	12	10	10	10	
118	12	12	12	12	10	10	10	
120	12	12	12	12	10	10	10	

**PureGuard LLC** 

INSTRUCTIONS:			



**1-5**Order Sheet:

# Fitting: Angle Ring Specifications

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

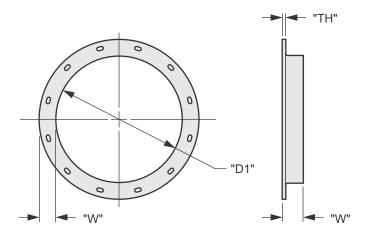
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



"D1" NOMINAL DIA.	"W" X "TH"	"BC" BOLT CIRCLE	QTY BOLT HOLES	HOLE TYPE x SIZE	GASKET SIZE
6	1-1/4"	5.31	6	3/8" x 5/8"	3/16"
6	x	7.50		Slot	X
8 10	1/8"	9.50 11.50	8	5/16" Bolt	1/8"
12		13.81	40		
14		15.81	12		
16	1-1/2"	17.63	16		1/4"
18	×	19.63	10		X
20 22	3/16"	21.63			1/8"
22		23.88	20	7/16" x 11/16" Slot 3/8" Bolt	
24		25.88			
26 28		27.88	24		
28		29.88	27		
30 32		31.88	28		
32		33.88			
34	2"	35.88	32		
36	×	37.88	<u> </u>		
38	3/16"	40.38	36		
40	0, . 0	42.38 44.38			3/8"
42 44			40		
46		46.38 48.38			X 2/4 C!!
48		50.38	44		3/16"
50		52.88			
52	2-1/2"	54.88	48	0/40" 4"	
54	X X	56.88		9/16" x 1"	
56	3/16"	58.88	52	Slot	
58	5, 10	60.88		7/16" Bolt	
60	3" x 1/4"	62.88	56		

"D1" NOMINAL DIA.	"W" X "TH"	"BC" BOLT CIRCLE	QTY BOLT HOLES	HOLE TYPE X SIZE	GASKET SIZE
62		64.88	60		
64		66.88	60		
66		68.88	64		
68		70.88	04		
70		72.88	68		
72		74.88	00		
74		76.88	72		
76	3"	78.88	12		
78	X	80.88	76		
80	1/4"	82.88	70		
82		84.88	80		
84		86.88	00	0/46"	
86		89.38	84	9/16"	
88		91.38		X	3/8"
90		93.38	88	1"	X
92		95.38	- 00	Slot	3/16"
94		97.38	92	7/16"	3/10
96		100.38	02	Bolt	
98		102.38	96		
100		104.38			
102		106.38	100		
104	4"	108.38			
106	-	110.38	104		
108	Х	112.38			
110	1/4"	114.38	108		
112		116.38			
114		118.38	112		
116		120.38			
118 120		122.38 124.38	116		
1 1/0		I 1/4.38	I	I	1

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860 Email: info@pureguard2.com **INSTRUCTIONS:** 





**1-7** Order Sheet:

## Fitting: Round Straight Duct

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.

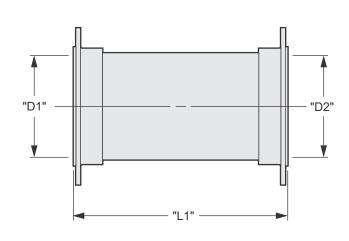




Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:

Standard Lengths: ( custom length available )

Diameter	Nominal	Actual
4" - 8"	4 ft long	47.25"
10" - 16"	4 ft long 5 ft long	47.25" 59.25"
18" - 48"	4 ft long 5 ft long 8 ft long	47.25" 59.25" 95.25"
> 48"	4 ft long 5 ft long 8 ft long	48.25" 60.25" 96.25"



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	ADDITIONAL INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

INS	STR	UCT	ONS:
-----	-----	-----	------





**SS-101** Style No.:

1-8 Order Sheet:

#### Fitting: Round Duct Offset

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

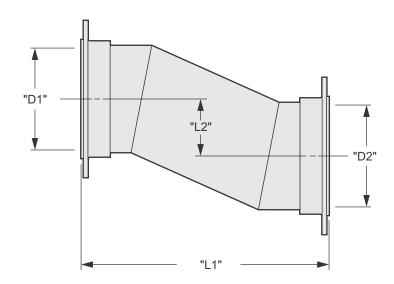
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"L2" DUCT OFFSET	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

Pu	reC	lua	rd	ш	C
ı u	166	Jua	ıu		. •

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860 Email: info@pureguard2.com

ISTRUCTIONS:		

PureGuard II Order Sheet - Rev: A12.2016 - Sheet #: \_\_\_\_\_ of \_\_\_





1-12 Order Sheet:

# Fitting: 90° Long Radius 5-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

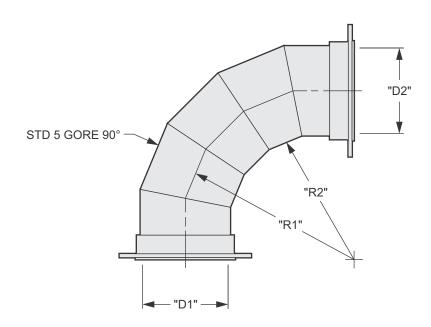
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are (1.5 x Diameter).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

INSTRUCTIONS:			





**SS-131** Style No.:

1-13 Order Sheet:

## Fitting: 90° Short Radius 5-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

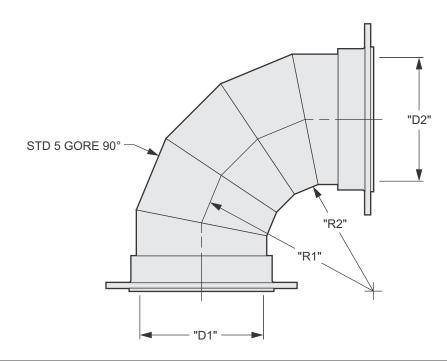
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**ELBOW SPECIFICATIONS:** Standard face to centerline dimensions for short radius elbows are (1.0 x Diameter).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						
			90°						

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

INSTRUCTIONS:			





**SS-133** Style No.:

Order Sheet:

# Fitting: 60° Long Radius 4-Gore Mitered Elbow

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

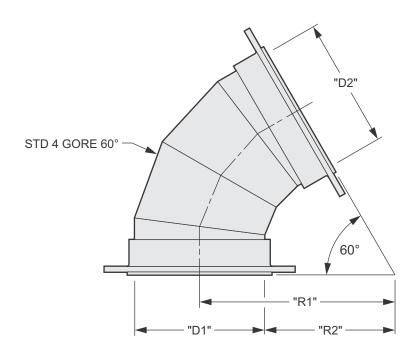
QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are (1.5 x Diameter).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						

PureGuard LLC

1010 South 65th Ave., No. 100 Email: info@pureguard2.com

Pnoenix, AZ 850	)4.	3
T 623.478.1800	/	F 623.478.1860





SS-134 Style No.: 1-15 Order Sheet:

#### Fitting: 60° Short Radius 4-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

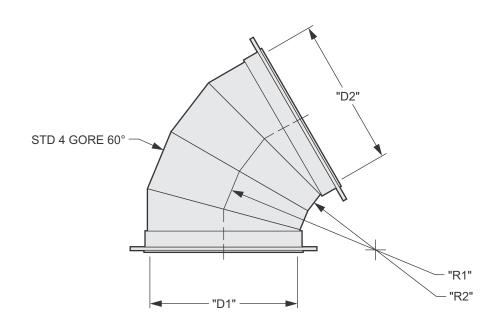
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for short radius elbows are ( 1.0 x Diameter ).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						
			60°						

Pu	reG	ııaı	rd	11	C
ги		uai	u	느느	v

INSTRUCTIONS:			





**SS-135** Style No.:

1-16 Order Sheet:

# Fitting: 45° Long Radius 3-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

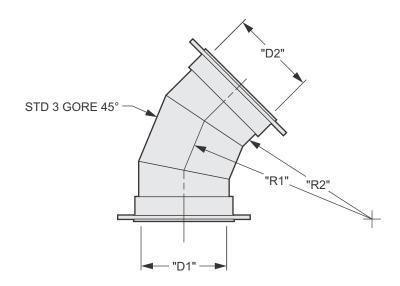
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are (1.5 x Diameter).

						<u> </u>		,	
FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

ISTRUCTIONS:			





SS-136 Style No.: **1-17** Order Sheet:

#### Fitting: 45° Short Radius 3-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

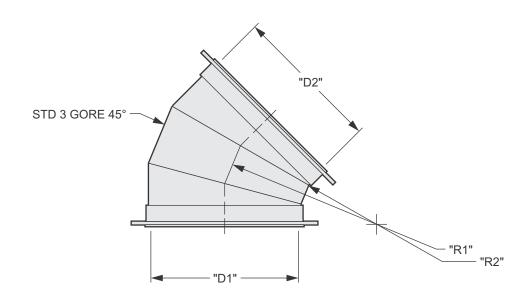
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**ELBOW SPECIFICATIONS:** Standard face to centerline dimensions for short radius elbows are (1.0 x Diameter).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						
			45°						

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





SS-137 Style No.: 1-18 Order Sheet:

# Fitting: 30° Long Radius 2-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

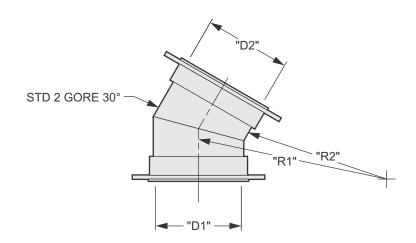
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are (1.5 x Diameter).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						

PureGuard LLC

INS	STR	UCT	ONS:
-----	-----	-----	------





SS-138 Style No.: 1-19 Order Sheet:

#### Fitting: 30° Short Radius 2-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

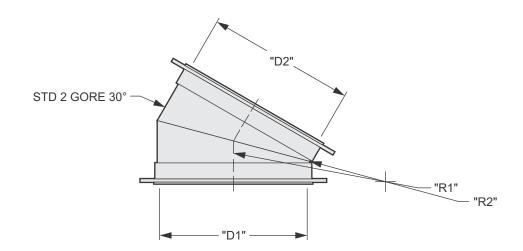
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for short radius elbows are ( 1.0 x Diameter ).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						
			30°						

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS	
--------------	--





SS-139 Style No.: 1-20 Order Sheet:

#### Fitting: 15° 2-Gore Mitered Elbow

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

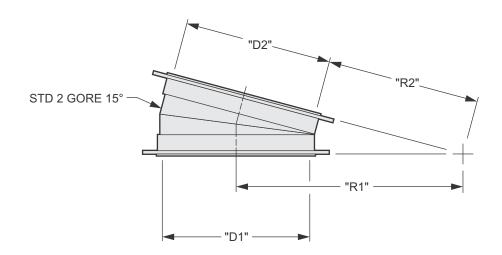
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**ELBOW SPECIFICATIONS:** Standard face to centerline dimensions for long radius elbows are ( 1.5 x Diameter ). Standard face to centerline dimensions for short radius elbows are ( 1.0 x Diameter ).

FITTING NUMBER	QTY	"D1" DUCT DIA.	ELBOW ANGLE	"D1" RING TYPE	"D2" RING TYPE	"R1" CENTER RADIUS	"R2" THROAT RADIUS	EXTENSION "D1" END	EXTENSION "D2" END
			15°						
			15°						
			15°						
			15°						
			15°						
			15°						
			15°						
			15°						
			15°						

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INIC	TRU	CTI		ue.
IINO	IKU	CII	Oi	<b>VO</b> :





1-21 Order Sheet:

# Fitting: Square to Round Transition

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

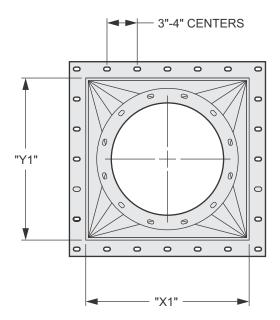
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

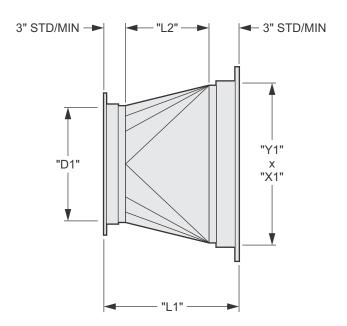
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"L1" DUCT LENGTH	"L2" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--

PureGuard	II Order	Sheet .	- Rev. A12 2016	- Sheet #	$\circ f$
ruieguaiu	II Oluci	JIICEL .	- KEV AIZ ZUID :	- 2000	()/





**SS-159** Style No.:

Order Sheet:

## Fitting: Square to Round Offset Transition

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

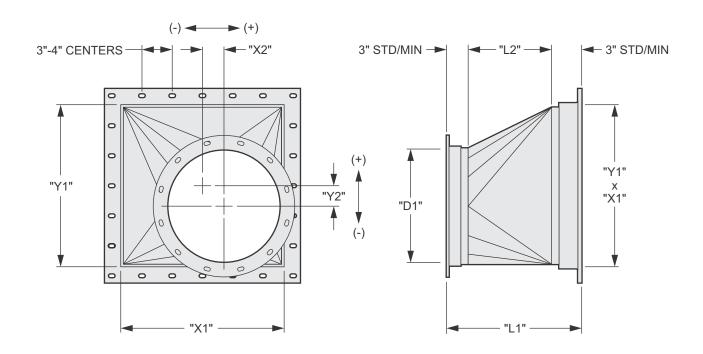
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"L1" DUCT LENGTH	"L2" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	"X2" DEVIATE	"Y2" DEVIATE

PureGuard LLC

1010 South 65th Ave., No. 100 Email: info@pureguard2.com

Phoenix, A∠ 850	43
T 623.478.1800	/ F 623.478.1860

INSTRUCTIONS:			





SS-160 Style No.: 1-23 Order Sheet:

#### Fitting: Concentric Reducer

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

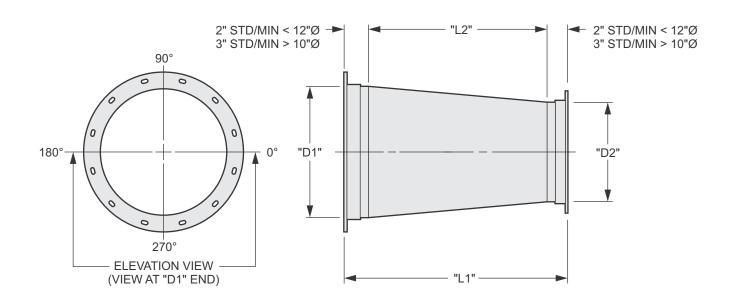
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" DUCT DIA.	"D2" RING TYPE	"L1" DUCT LENGTH	"L2" REDUCER LENGTH	INSTRUCTIONS:

**PureGuard LLC** 





SS-165 Style No.: 1-24 Order Sheet:

## Fitting: Eccentric Reducer

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

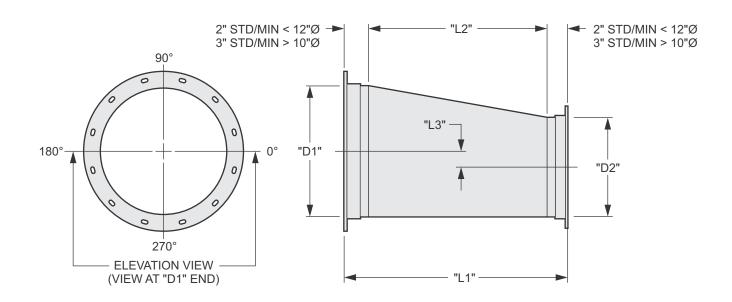
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" DUCT DIA.	"D2" RING TYPE	"L1" DUCT LENGTH	"L2" REDUCER LENGTH	"L3" OFFSET LENGTH

**PureGuard LLC** 

STRUCTIONS:			





**SS-171** Style No.:

1-25 Order Sheet:

# Fitting: Straight Duct with Drain

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

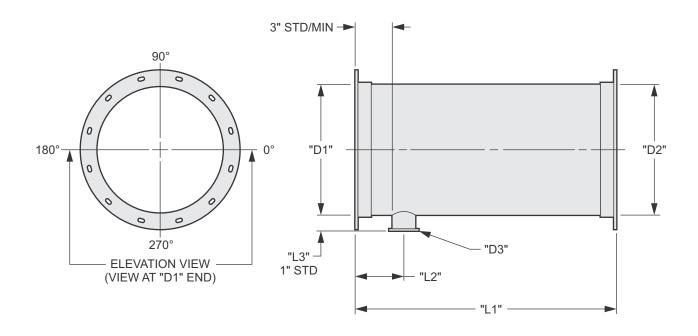
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"D3" DRAIN DIA.	"D3" DRAIN CONNECT	"L2" DRAIN LOCATION	"L3" DRAIN LENGTH	ROTATION ON DUCT

**PureGuard LLC** 

INSTRUCTIONS:			





**1-26**Order Sheet:

## Fitting: Straight Duct with Straight Tap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

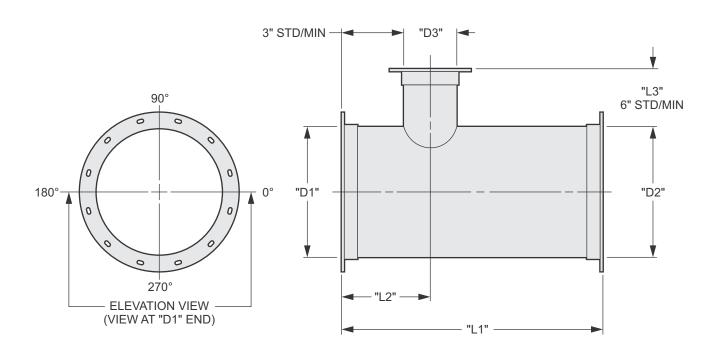
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATION	"L3" TAP LENGTH	ROTATION ON DUCT
								·		

**PureGuard LLC** 

INSTRUCTIONS:			





SS-175 Style No.: 1-27 Order Sheet:

## Fitting: Straight Duct with Conical Tap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

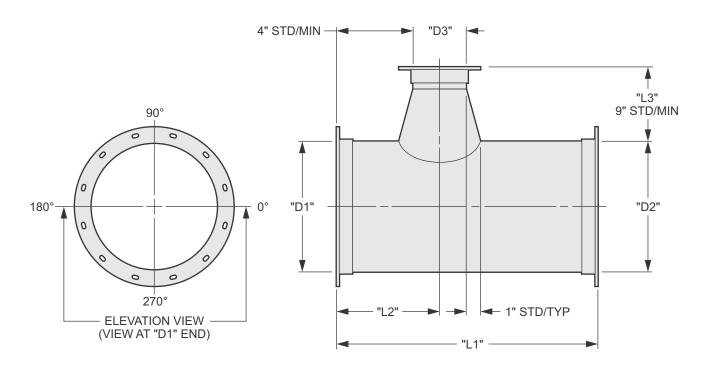
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATION	"L3" TAP LENGTH	ROTATION ON DUCT

**PureGuard LLC** 

INSTRUCTIONS:			





SS-177 Style No.: 1-28 Order Sheet:

# Fitting: Straight Duct with Shoe Tap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

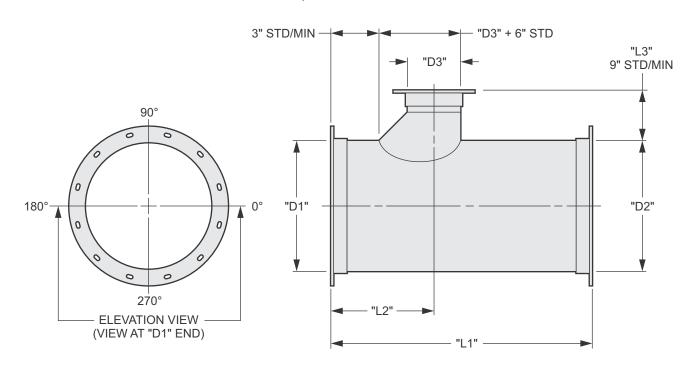
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATION	"L3" TAP LENGTH	ROTATION ON DUCT

**PureGuard LLC** 





SS-182 Style No.: 1-29 Order Sheet:

# Fitting: Straight Duct with 45° Lateral Tap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

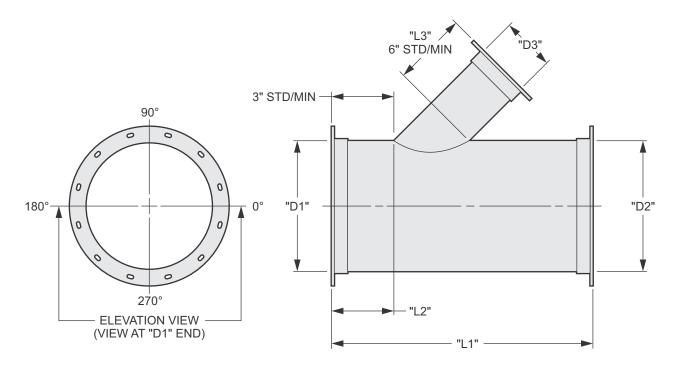
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATION	"L3" TAP LENGTH	ROTATION ON DUCT

**PureGuard LLC** 

INSTRUCTIONS	
--------------	--





SS-186 Style No.: 1-30 Order Sheet:

# Fitting: 45° Reducing Wye

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

| BI | Black Iron (coated) Rings - Avail 4" - 48 | QC | Quick Clamp - Avail 2" - 14"Ø

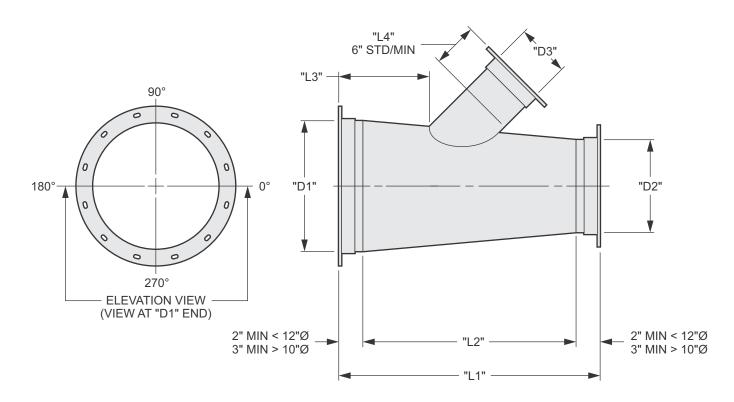
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



TAP NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" DUCT DIA.	"D2" RING TYPE	"L1" DUCT LENGTH	"L2" REDUCER LENGTH	"D3" DUCT DIA.	"D3" RING TYPE	"L3" TAP LOCATION	"L4" TAP LENGTH

**PureGuard LLC** 

INSTRUCTIONS
--------------





SS-188 Style No.: 1-31 Order Sheet:

# Fitting: 45° Reducing Wye with Multiple Taps

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

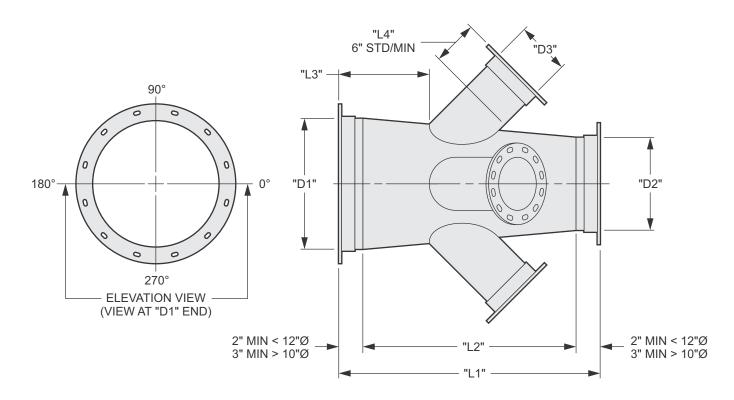
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.



**INSTRUCTIONS:** 



Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



NUMBER	QTY	DUCT DIA.	RING TYPE	DUC		DUCT LENGTH	REDUCER (Special plate flange must be specified whether loose or welded)			
TAP NUMBER	"D3" TAP DIA.	"D3" RING TYPE	"L( TA LOCA	Р	"L4" TAP LENGTH	ROTATION ON DUCT	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )			

"D2"

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860 Email: info@pureguard2.com

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--

"D1" | "D1" | "D2" |





**SS-190** Style No.:

Order Sheet:

# Fitting: Straight Duct with Tangential Straight Tap

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

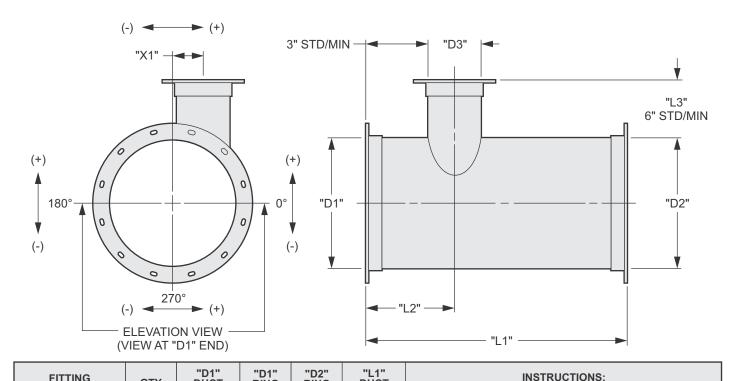
QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



NUMBER	QTY	DUCT DIA.	RING TYPE	RING TYPE		ICT IGTH	( Special plate flange must be specified whether loose or welded )				
TAP NUMBER	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATIO	T/	3" \P GTH	ROTAT ON DUC	1	"X1" TANGENTIAL OFFSET	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )		

**PureGuard LLC** 

**FITTING** 

INSTRUCTIONS:			





**SS-192** Style No.:

**INSTRUCTIONS:** 

Order Sheet:

# Fitting: Straight Duct w/ Tangential 45° Lateral Tap

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

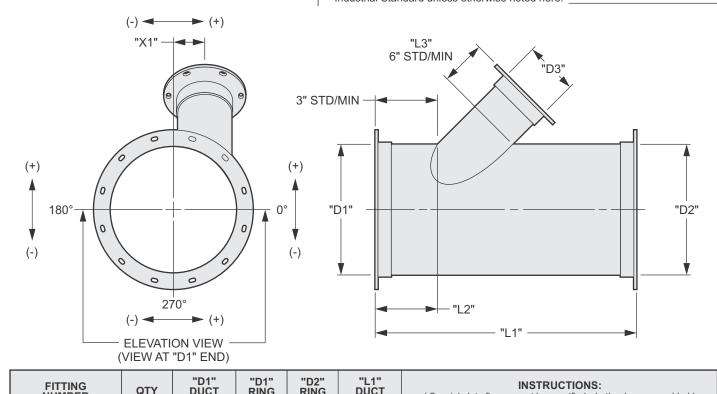
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



NUMBER	QII	DIA.	TYPE	TYPE		IGTH	( Special plate flange	must be specified whether loose or welded )
TAP NUMBER	"D3" TAP DIA.	"D3" RING TYPE	"L2" TAP LOCATIO	T/	.3" AP IGTH	ROTATION ON DUCT	N "X1" TANGENTIAL OFFSET	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

**FITTING** 

INSTRUCTIONS:			





SS-195 Style No.: 1-34 Order Sheet:

## Fitting: Wye

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

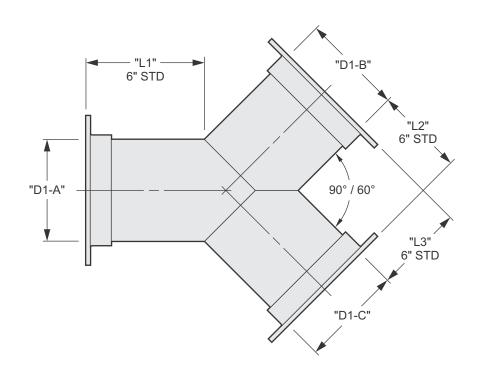
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	DEGREE 90° / 60°	"D1-A" RING TYPE	"D1-B" RING TYPE	"D1-C" RING TYPE	"L1" THROAT LENGTH	"L2" THROAT LENGTH	"L3" THROAT LENGTH

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

INSTRUCTIONS:			





SS-198 Style No.: 1-35 Order Sheet:

# Fitting: Dimensional Layout for Multiple Tap Styles

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

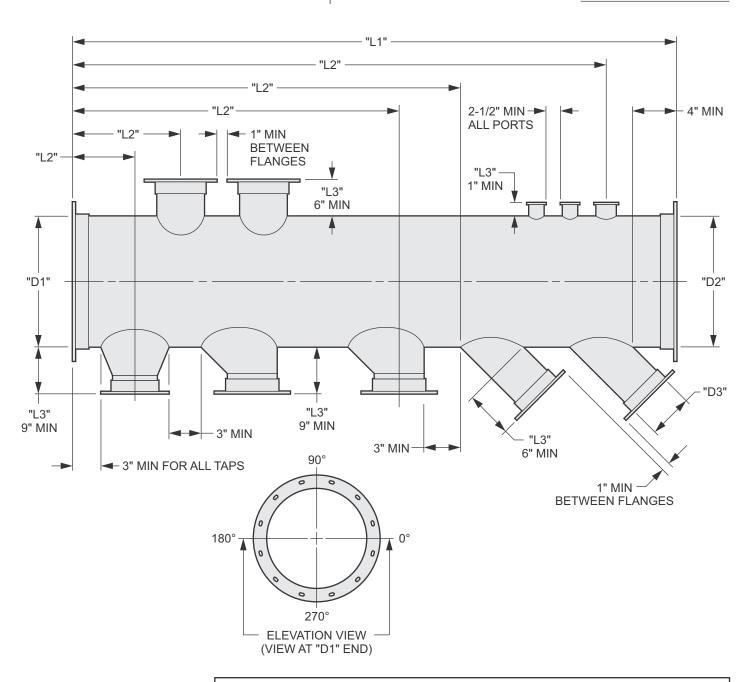
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**PureGuard LLC** 

INSTRUCTIONS:			





**SS-198** Style No.:

Order Sheet:

# Fitting: Straight Duct with Multiple Tap Styles

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

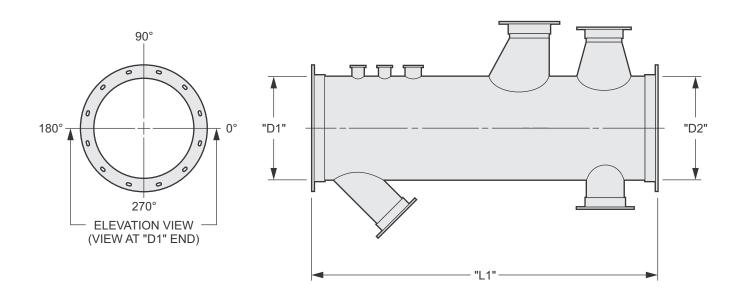
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L DU LEN	CT	INSTRUCTIONS:  ( Special plate flange must be specified whether loose or welded )			
TAP NUMBER	TAP TYPE	"D3" TAP DIA.	"D3" RING TYPE	6 TA	.2" AP ATION	T/	-3" AP IGTH	ROTATION ON DUCT	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )	

**PureGuard LLC** 

INSTRUCTIONS:			





1-37 Order Sheet:

## Fitting: Custom Fittings

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:

**PureGuard LLC** 

INSTRUCTIONS:			





SS-172-FT Style No.: 1-40

Order Sheet:

## Fitting: Field Installed Straight Saddle Tap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

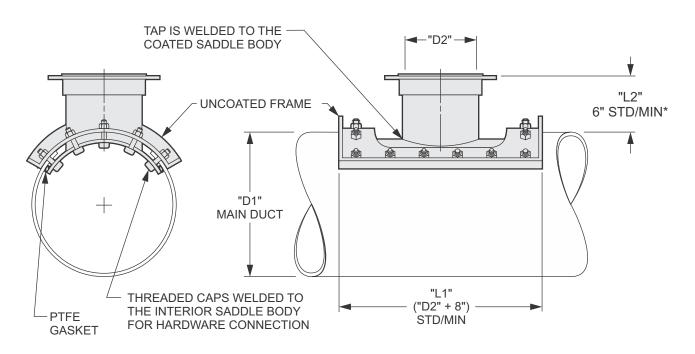
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**SADDLE SPECIFICATIONS:** The Main Duct is to be sandwiched between the body and the frame. \* 2" Standard on 2" and 3" diameter taps.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" SADDLE LENGTH	"D2" TAP DIA.	"D2" RING TYPE	"L2" TAP LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





SS-175-FT Style No.:

Order Sheet:

#### Fitting: Field Installed Conical Saddle Tap

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø

Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

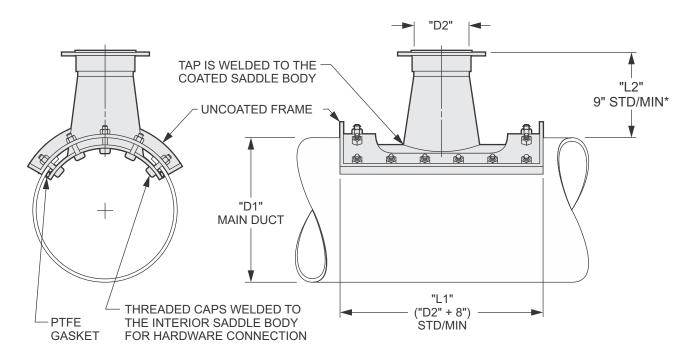
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



SADDLE SPECIFICATIONS: The Main Duct is to be sandwiched between the body and the frame.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" SADDLE LENGTH	"D2" TAP DIA.	"D2" RING TYPE	"L2" TAP LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





SS-177-FT Style No.:

1-42 Order Sheet:

#### Fitting: Field Installed Shoe Saddle Tap

Conn Ring Type **SS** Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

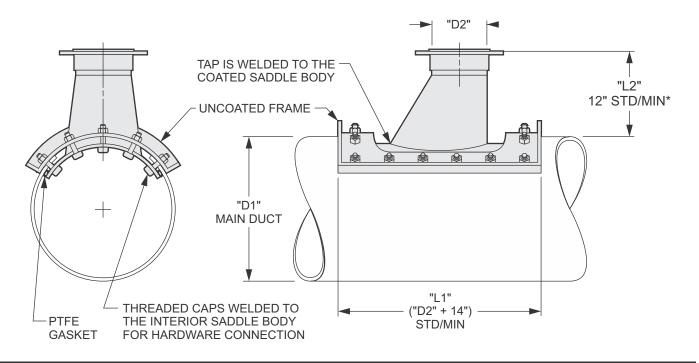
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



SADDLE SPECIFICATIONS: The Main Duct is to be sandwiched between the body and the frame.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" SADDLE LENGTH	"D2" TAP DIA.	"D2" RING TYPE	"L2" TAP LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

INS	TRU	JCTI	ONS	:





SS-182-FT Style No.:

1-43
Order Sheet:

#### Fitting: Field Installed 45° Lateral Saddle Tap

Conn Ring Type **SS** Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

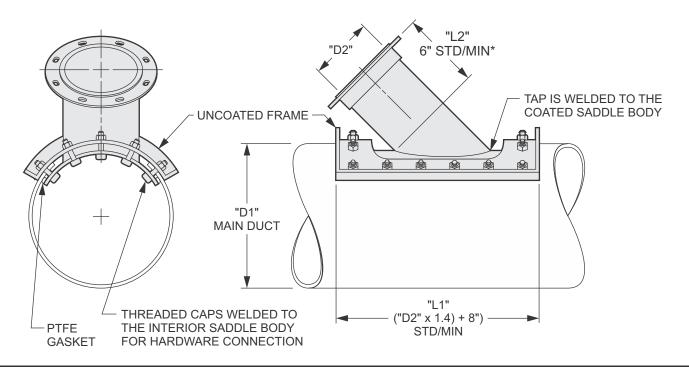
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



SADDLE SPECIFICATIONS: The Main Duct is to be sandwiched between the body and the frame.

						,	
FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" SADDLE LENGTH	"D2" TAP DIA.	"D2" RING TYPE	"L2" TAP LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

<b>PureGuard</b>	Т	I C
i uicouaiu	_	-

INSTRUCTIONS:			





SS-202-FT

**1-44**Order Sheet:

Style No.:

#### Fitting: Field Installed 2" & 3" QC Flange

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

| BI | Black Iron (coated) Rings - Avail 4" - 48 | **QC** | Quick Clamp - Avail 2" - 14"Ø

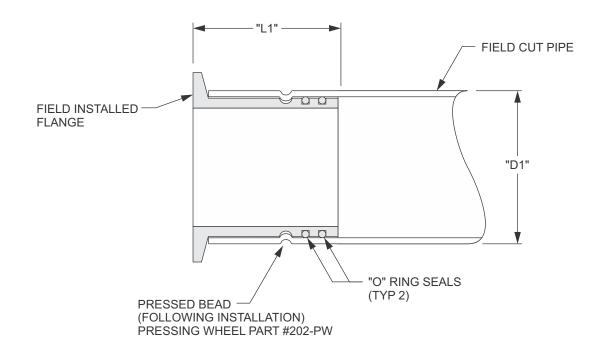
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FLANGE SPECIFICATIONS: Field installed flanges are only used on 2" and 3" diameter duct.

FITTING NUMBER	QTY	"D1" ( 2" or 3" )	"L1"	INSTRUCTIONS:
			2"	
			2"	
			2"	
			2"	
			2"	
			2"	
			2"	
			2"	
			2"	

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





SS-204-FT Style No.: 1-45 Order Sheet:

#### Fitting: Field Installed 2" Dia Bulkhead Flange

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

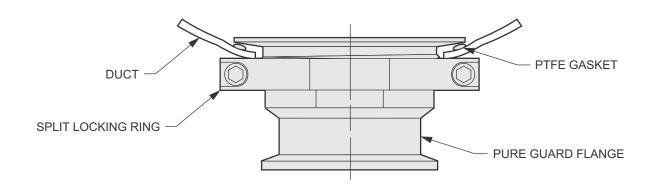
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	INSTRUCTIONS:

**PureGuard LLC** 





SS-219-FT Style No.: **1-46**Order Sheet:

## Fitting: Field Installed MNPT Nipple

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

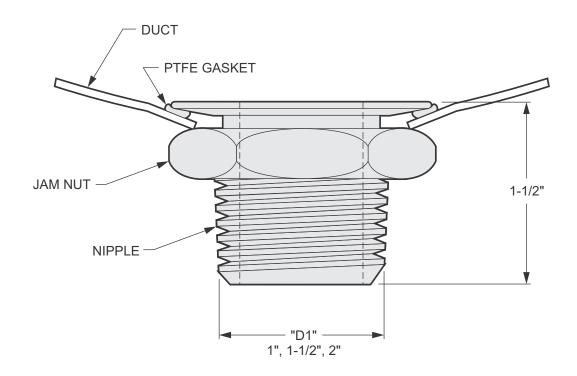
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" NOMINAL DIA.	INSTRUCTIONS:

PureGuard LLC

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860

Email: info@pureguard2.com

PureGuard II Order Sheet -	Rev: A12.2016 - Sheet #:	of





SS-223-FT Style No.: **1-47**Order Sheet:

Fitting: Field Installed Sample Ports

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"∅

QC Quick Clamp - Avail 2" - 14"∅

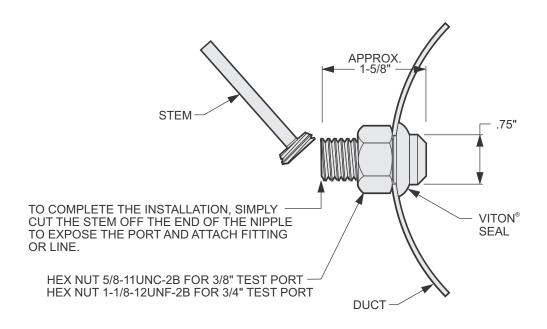
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	PORT SIZE 3/8"- 3/4"	INSTRUCTIONS:

**PureGuard LLC** 

IN:	STR	UC.	TIOI	NS:





SS-200 Style No.: 1-50 Order Sheet:

#### Fitting: Angle Rings

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

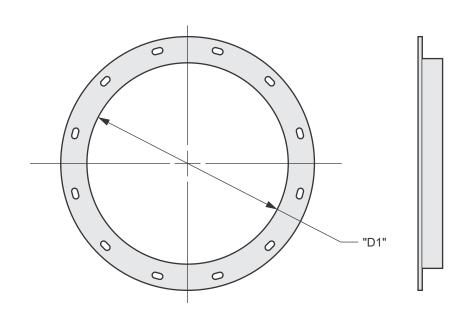
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" NOMINAL DIA	INSTRUCTIONS:

**PureGuard LLC** 

INS	TRI	ICT	'n	NS
III	11/1	561	IU	IVO





**SS-201** Style No.:

**1-51**Order Sheet:

#### Fitting: Quick Clamp

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

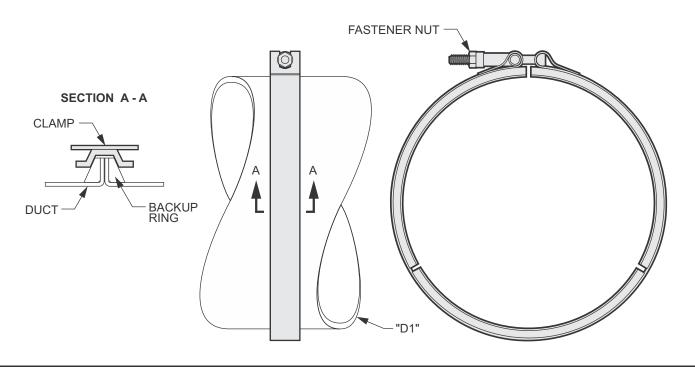
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**CLAMP SPECIFICATIONS:** Ships standard with PTFE gasket and two (2) floating backing rings, for sizes 4" - 14" diameter.

FITTING NUMBER	QTY	"D1" NOMINAL DIA	INSTRUCTIONS:

**PureGuard LLC** 

NSTRUCTIONS:			





SS-205 Style No.: 1-52 Order Sheet:

#### Fitting: End Cap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:

Refer to Angle Ring Specifications
Page 1-5 for more details.

END CAP SPECIFICATIONS: A support stiffener may be required for end cap sizes over 36" diameter.

**INSTRUCTIONS:** 

			, , , , , , , , , , , , , , , , , , , ,
FITTING NUMBER	QTY	"D1" DUCT DIA	INSTRUCTIONS:

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860 Email: info@pureguard2.com

PureGuard II Order Sheet - Rev: A12.2016 - Sheet #: \_\_\_\_\_ of \_\_\_\_





SS-206 Style No.: 1-53 Order Sheet:

#### Fitting: Clear View Cover

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

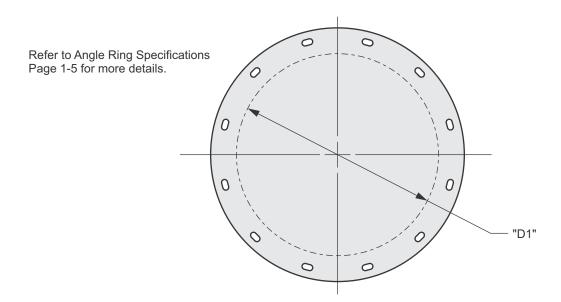
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	GAUGE SIZE	"D1" DUCT DIA.	INSTRUCTIONS:

**PureGuard LLC** 





SS-208 Style No.: 1-54 Order Sheet:

#### Fitting: End Cap for Quick Clamp

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

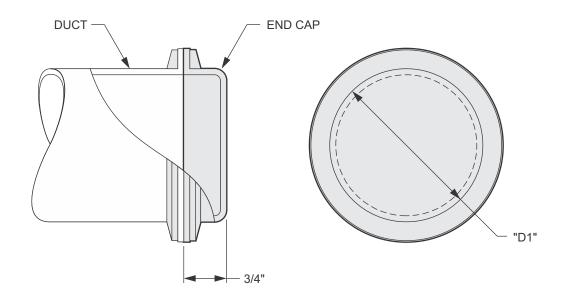
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



CLAMP SPECIFICATIONS: End cap sizes for 4" - 14" diameter.

FITTING NUMBER	QTY	"D1" DUCT DIA. 4" - 14"	INSTRUCTIONS:	

**PureGuard LLC** 

INSTRUCTIONS:			





SS-209 Style No.: 1-55 Order Sheet:

#### Fitting: Special Plate Flange

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

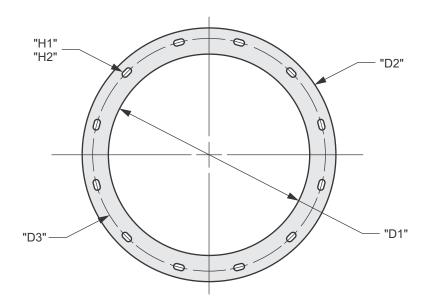
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" INSIDE DIA.	"D2" OUTSIDE DIA.	"D3" BOLT CIRCLE	"H1" HOLE SIZE	"H2" HOLE QTY	GAUGE THICKNESS	RING TYPE BI / SS

PureGuard LLC

INS	TRUC	TIONS:	





SS-250 Style No.: **1-56**Order Sheet:

## Fitting: No Loss Stack Cap

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

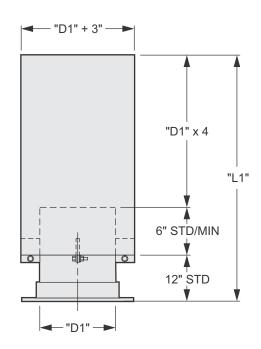
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" OVERALL LENGTH	INSTRUCTIONS

**PureGuard LLC** 





SS-215 Style No.: **1-60**Order Sheet:

## Fitting: QC Flange to Angle Ring Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

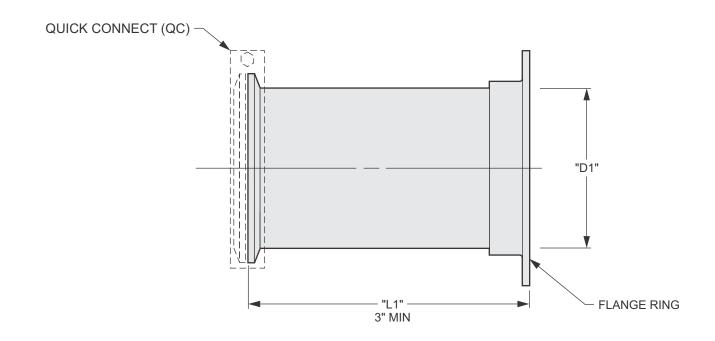
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ADAPTER SPECIFICATIONS: Adapter sizes available for 2" - 14" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	FLANGE RING	"L1" DUCT LENGTH	INSTRUCTIONS ( Special plate flanges must be specified whether loose or welded. )

**PureGuard LLC** 

INSTRUCTIONS:			





Style No.:

Order Sheet:

## Fitting: QC Flange to KF Flange Adapter

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

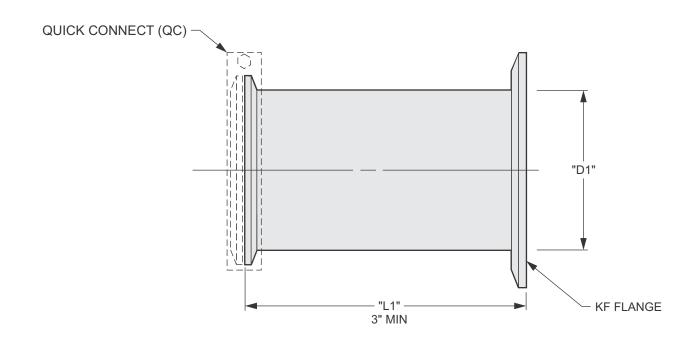
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ADAPTER SPECIFICATIONS: Adapter sizes available for 1" - 3" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

PureGuard LLC

1010 South 65th Ave., No. 100 Email: info@pureguard2.com

Phoenix, A∠ 850	43
T 623.478.1800	/ F 623.478.1860

INSTRUCTIONS:			





SS-217 Style No.: 1-62 Order Sheet:

## Fitting: QC Flange to ISO Flange Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

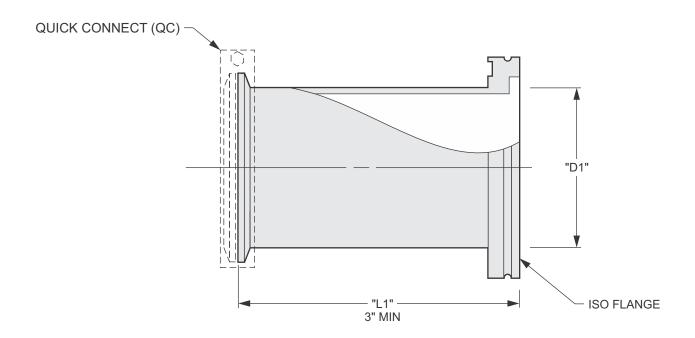
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ADAPTER SPECIFICATIONS: Adapter sizes available for 3" - 4" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

<b>PureGuard</b>	1.1	C
r ui eGuai u		

INSTRUCTIONS:			





SS-218 Style No.: **1-63**Order Sheet:

## Fitting: QC Flange to Sanitary Flange Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

Bl Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

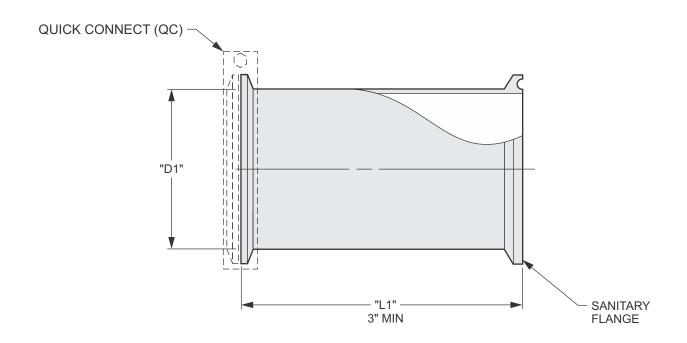
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ADAPTER SPECIFICATIONS: Adapter sizes available for 2" - 4" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS:			





SS-219/220 Style No.:

Order Sheet:

#### Fitting: QC Flange to Male / Female NPT

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

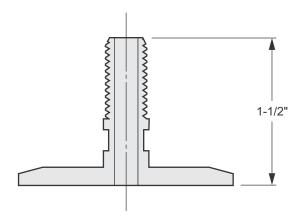
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.



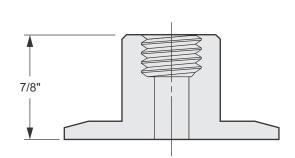


Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**AVAILABLE MALE ADAPTERS (COATED): SS-219** 

2" QC x 1/4" - 2" MNPT NIPPLE 3" QC x 1/4" - 3" MNPT NIPPLE



**AVAILABLE FEMALE ADAPTERS (NON-COATED): SS-220** 

2" QC x 1/4" - 2" FNPT 3" QC x 1/4" - 3" FNPT

SPECIFICATIONS: Threads are un-coated on nipples and subject to corrosion. Nipples not warranted by Composites USA.

FITTING NUMBER	QTY	QC END DIA.	TYPE MALE / FEMALE	NPT SIZE	INSTRUCTIONS

**PureGuard LLC** 

INS	TRU	СТ	ON	IS:
		$\sim$ .	0.	

PureGuard II Order Sheet - Rev. A12 2016 - Sheet #	of	heet#· of
--	----	-----------





**SS-221** Style No.:

**1-65**Order Sheet:

## Fitting: QC Flange to PITOT Tube Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

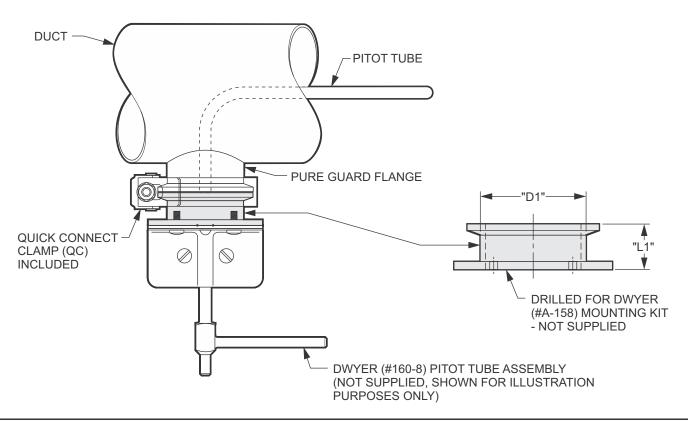
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



PITOT SPECIFICATIONS: Supplied items include clamp & adapter.

FITTING NUMBER	QTY	"D1" 2" / 3"	"L1"	INSTRUCTIONS
			1"	
			1"	
			1"	
			1"	
			1"	
			1"	
			1"	

**PureGuard LLC** 

INSTRUCTIONS:			





**SS-222** Style No.:

**1-66**Order Sheet:

## Fitting: QC Flange to Sprinkler Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

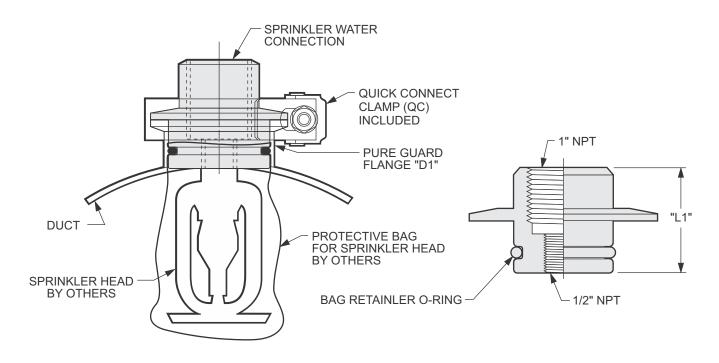
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



SPRINKLER SPECIFICATIONS: Supplied items include clamp, adapter & o-ring.

FITTING NUMBER	QTY	"D1" 2" / 3"	"L1" 1" / 2"	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS:			





SS-293 Style No.: 1-71 Order Sheet:

## Fitting: ISO Flange to Dual Guard Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

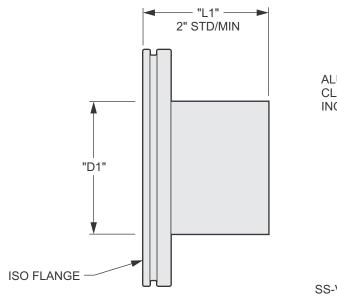
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

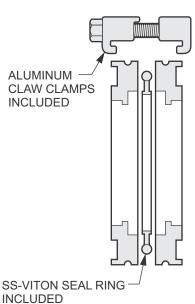
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





ADAPTER SPECIFICATIONS: Adapter sizes available for 3", 4", 6" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

**PureGuard LLC** 

IN:	STR	UC.	TIOI	NS:





**SS-294**Style No.:

1-72 Order Sheet:

#### Fitting: KF Flange to Dual Guard Adapter

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

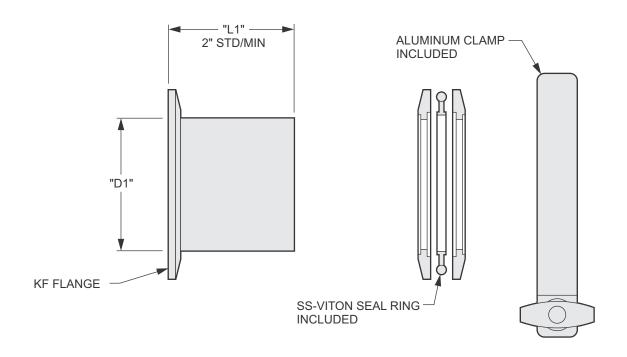
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ADAPTER SPECIFICATIONS: Adapter sizes available for 2" diameter duct.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS
		2"		
		2"		
		2"		
		2"		
		2"		
		2"		
		2"		
		2"		
		2"		

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860

INSTRUCTIONS:			





SS-300-A Style No.: 1-80 Order Sheet:

#### Fitting: 4" - 14" Butterfly Damper

Conn | Ring | Type | SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

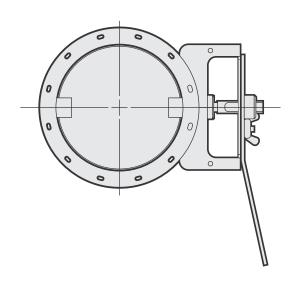
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.



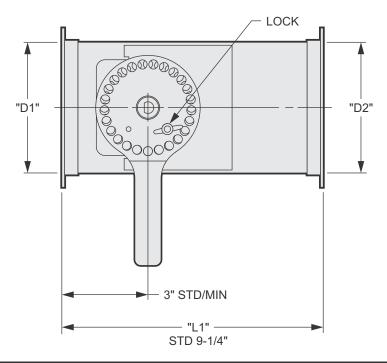


Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**DAMPER OPTIONS:** 

Micro Adjustable Gear Actuator



FITTING NUMBER QTY DUCT DIA. "D1" RING TYPE RING TYPE LENGTH (Special plate flanges must be specified whether loose or welded)

**PureGuard LLC** 

INSTRUCTIONS:			





SS-300-B Style No.: 1-81 Order Sheet:

## Fitting: 4" - 14" Butterfly Damper with Blade Seal

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø

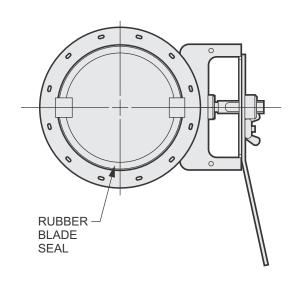
BI Black Iron (coated) Rings - Avail 4" - 48"Ø QC Quick Clamp - Avail 2" - 14"Ø

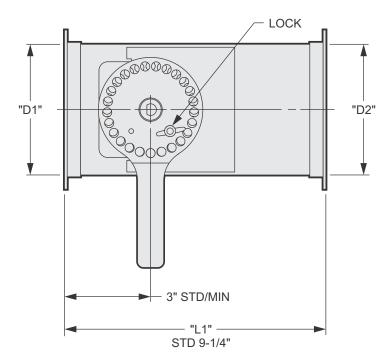
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





DAMPER OPTIONS	:   Mic	ro Adjustabl	e Gear Ac	tuator		
FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	INSTRUCTIONS ( Special plate flanges must be specified whether loose or welded )

**PureGuard LLC** 

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--





SS-300-C Style No.:

1-82 Order Sheet:

## Fitting: 16" - 34" Butterfly Damper00-C

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

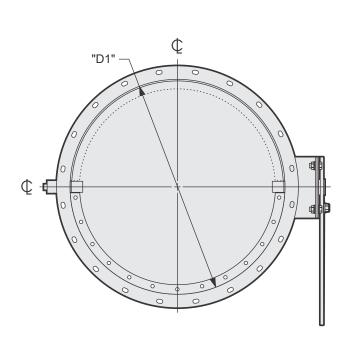
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

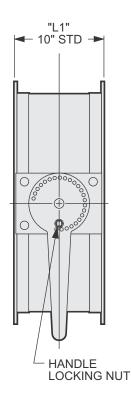
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





**DAMPER SPECIFICATIONS:** Damper only available with welded stainless steel flange rings. Damper body and blade manufactured with hybrid fluoropolymer coated SS. Stainless steel blade - .25". Stainless steel body - 10GA. Optionally available with a manual handwheel operator, electric or pneumatic actuator.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

**PureGuard LLC** 

INS	TRU	СТІ	ONS:

PureGuard I	II Order	Sheet	- Rev: A12.2016	- Sheet #.	of





SS-300-D Style No.: 1-83 Order Sheet:

## Fitting: 36" - 48" Butterfly Damper: SS-300-D

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

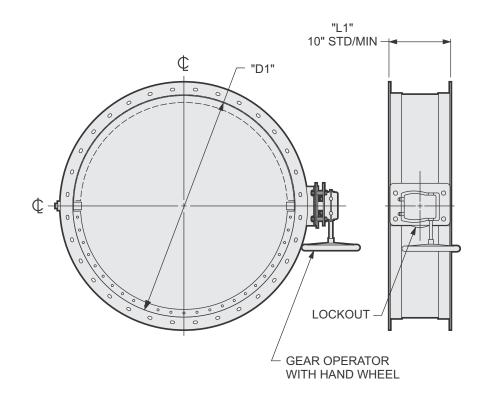
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**DAMPER SPECIFICATIONS:** Damper only available with welded stainless steel flange rings. Damper body and blade manufactured with hybrid fluoropolymer coated SS. Stainless steel blade - .25". Stainless steel body - 10GA. Optionally available with an electric or pneumatic actuator.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

**PureGuard LLC** 





SS-300-E Style No.: 1-84 Order Sheet:

#### Fitting: > 48" Butterfly Damper

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

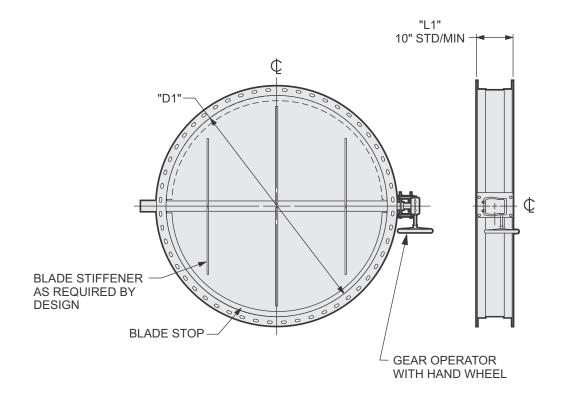
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**DAMPER SPECIFICATIONS:** Damper only available with welded stainless steel flange rings. Damper body and blade manufactured with hybrid fluoropolymer coated SS. Stainless steel body - .25". Stainless steel blade with stiffening ribs as required - .38". Optionally available with an electric or pneumatic actuator.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" DUCT LENGTH	INSTRUCTIONS

**PureGuard LLC** 





SS-315 Style No.: 1-87 Order Sheet:

## Fitting: 4" - 12" Wafer Damper

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

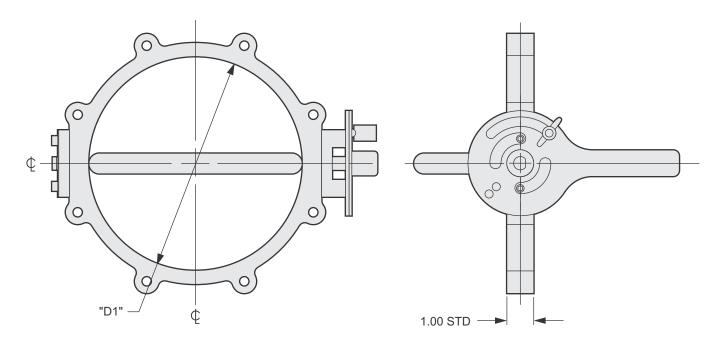
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**WAFER SPECIFICATIONS:** Designed to bolt between mating flanges.

Integral blade stop and all fluoropolymer wetted surfaces.

FITTING NUMBER	QTY	"D1" WAFER DIA.	INSTRUCTIONS

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





SS-325 Style No.: 1-88 Order Sheet:

## Fitting: 4" - 36" Horizontal Run Slide Gate Damper

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

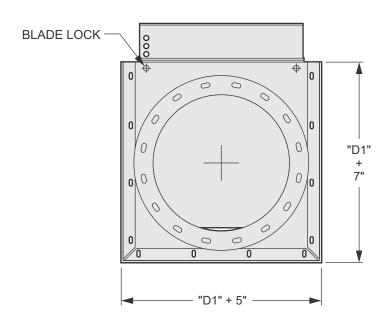
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

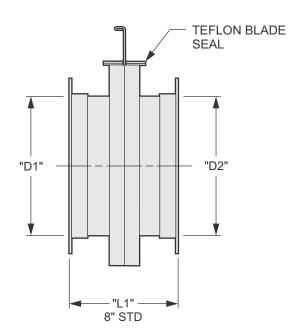
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

IN	ST	RU	СТ	10	NS:





SS-326 Style No.: 1-89 Order Sheet:

## Fitting: 4" - 36" Vertical Run Slide Gate Damper

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

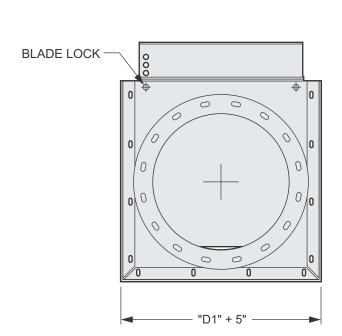
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

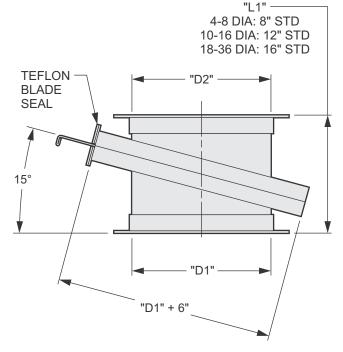
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 





**SS-327** Style No.:

Order Sheet:

## Fitting: > 36" Horiz. Run Dual Slide Gate Damper

Conn Ring Type

SS Stainless Steel Rings - Avail 4" - 120"Ø Black Iron (coated) Rings - Avail 4" - 48"Ø

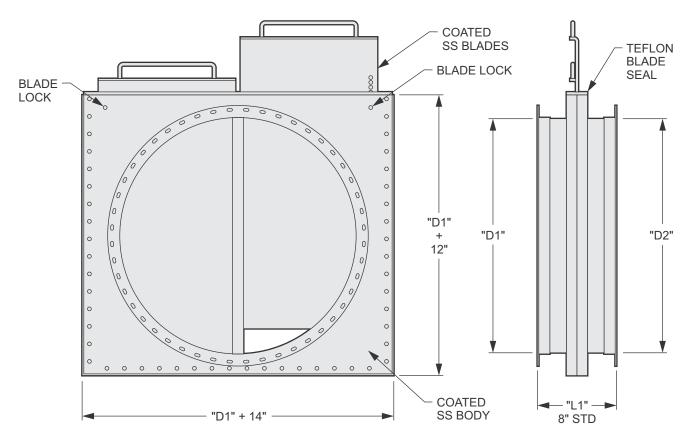
QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix. AZ 85043 0

	,	
T 623.4	478.1800	/ F 623.478.1860
Email:	info@pu	reguard2.com

INSTRUCTIONS:		





SS-328 Style No.: 1-91 Order Sheet:

## Fitting: > 36" Vertical Run Dual Slide Gate Damper

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø
BI Black Iron (coated) Rings - Avail 4" - 48"Ø

QC Quick Clamp - Avail 2" - 14"Ø

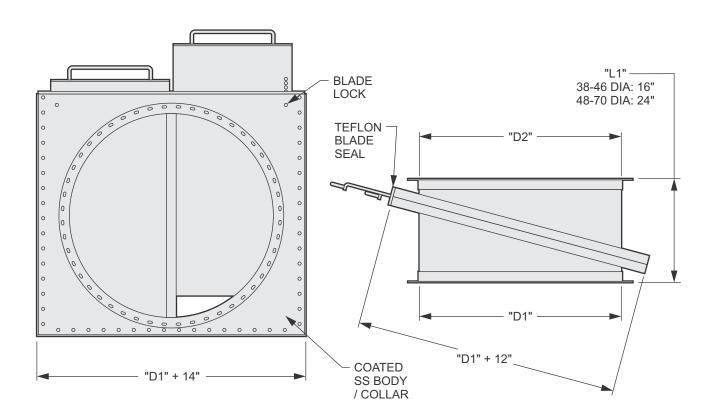
Rings are loose < 32" diameter
Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" RING TYPE	"D2" RING TYPE	"L1" DUCT LENGTH	INSTRUCTIONS: ( Special plate flange must be specified whether loose or welded )

**PureGuard LLC** 

INSTRUCTIONS
--------------





SS-401 Style No.: 1-100 Order Sheet:

## Fitting: Tools & Supplies

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:

PART NUMBER	QTY	PART DESCRIPTION
PG - ST		D.E. Sterns Spark Tester
PG - GREEENLEE		Hydraulic Kit 7306SB for 1/2" - 2" Nipple
PG - HAG		Steinel 120V Heat Gun
PG - FRK		PGII Repair Kit
200 - FLARE TOOL		Pexto Model 622LR Hand Flanger
200 - PW		Custom Rolls for Pexto Hand Flanger
200 - TOOL		Ridgid 3-S Heavy Duty Pipe Cutter
202 - PW		Custom Pressing Wheel Adapter
QC - 8R		8 inch QC Pliers
100 - 2CG		Saw Guide for Cutting 2" Duct
100 - 3CG		Saw Guide for Cutting 3" Duct

**PureGuard LLC** 

INSTRUCTIONS:			





Style No.:

1-101 Order Sheet:

#### Fitting: Goretex PTFE Gasket

Conn Ring Type SS Stainless Steel Rings - Avail 4" - 120"Ø BI Black Iron (coated) Rings - Avail 4" - 48"Ø

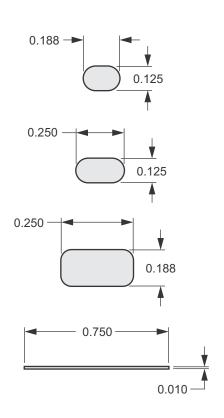
QC Quick Clamp - Avail 2" - 14"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



Gasket type #1	
3/16" x 1/8" Gasket	Used on: 4" - 10" dia duct
Available roll sizes:	100 ft

Gasket type #2	
1/4" x 1/8" Gasket	Used on: 12" - 24" dia duct
Available roll sizes:	100 ft

Gasket type #3	
1/4" x 3/16" Gasket	Used on: 26" - 120" dia duct
Available roll sizes:	100 ft

Gasket type #4	
3/4" x 0.010" Gasket	Used on: 2" - 14" dia QC duct
Available roll sizes:	300 ft

FITTING NUMBER	GASKET TYPE	LINEAR FEET	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS:			











# Order Cover Sheet 2" & 3" Quick Clamp Fittings



Customer Use			
Name (requestor):	Tel:		
Company:	Fax:		
P.O. Box / Street:	Cell:		
City / State / Zip:	Email:		
Project Name:	P.O. Number:		
Project Location:	RFQ Number:		
Requested Lead Time:	RFQ Due Date:		

Composites USA Use				
Job Number:	Order Date:	Ship Date:		

**PureGuard LLC** 

INSTRU	<b>ICTIONS</b>
--------	----------------





Style No.:

**2-1**Order Sheet:

## Index 2" & 3" Fittings





- 2-1 Cover Sheet
- 2-0 Index

#### 2" & 3" Fittings:

- 2-2 2" & 3" Straight Duct: SS-100-2/3
- 2-3 2" & 3" Long Radius 90° Sweep Elbow: SS-110-2/3
- 2-4 2" & 3" Long Radius 45° Sweep Elbow: SS-115-2/3
- 2-5 2" & 3" Standard Reducer: SS-160-2/3
- 2-6 2" & 3" Standard Tee: SS-170-2/3
- 2-7 2" & 3" Field Installed Straight Saddle Tap: SS-172-2/3
- 2-8 2" & 3" Standard Lateral: SS-182-2/3
- 2-9 2" & 3" End Cap: SS-208-2/3
- 2-10 2" & 3" Butterfly Damper: SS-300-2/3
- 2-11 2" & 3" Horizontal Run Slide Gate Damper: SS-325-2/3
- 2-12 2" & 3" Vertical Run Slide Gate Damper: SS-326-2/3





**SS-100-2/3** Style No.:

**2-2**Order Sheet:

# Fitting: 2" & 3" Straight Duct

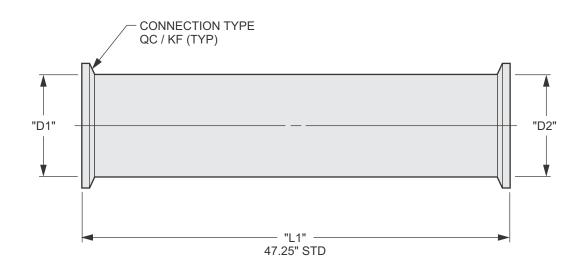
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

| Rings are loose < 32" diameter | Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA.	"D1" CONNECTION TYPE	"D1" CONNECTION TYPE	"L1" DUCT LENGTH	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 





**SS-110-2/3** Style No.:

**2-3**Order Sheet:

# Fitting: 2" & 3" Long Radius 90° Sweep Elbow

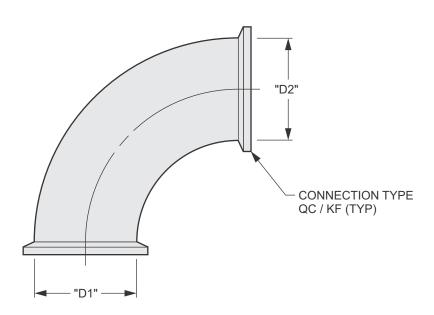
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are 1.5 x diameter.

FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	ELBOW TYPE	"D1" CONNECTION TYPE	"D1" CONNECTION TYPE	ADDITIONAL INSTRUCTIONS:
			90°			
			90°			
			90°			
			90°			
			90°			
			90°			
			90°			
	·		90°			
			90°			

Pure	Cua	rd	1.1	0
Pure	<del>:</del> Gua	II U	ᄔ	u

INSTRUCTIONS:			





**SS-115-2/3** Style No.:

**2-4**Order Sheet:

# Fitting: 2" & 3" Long Radius 45° Sweep Elbow

Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

pe |

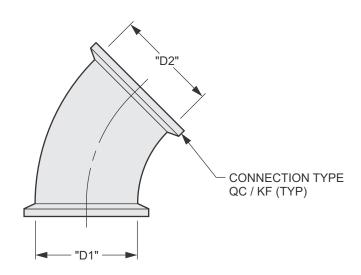
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



ELBOW SPECIFICATIONS: Standard face to centerline dimensions for long radius elbows are 1.5 x diameter.

FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	ELBOW TYPE	"D1" CONNECTION TYPE	"D1" CONNECTION TYPE	ADDITIONAL INSTRUCTIONS:
			45°			
			45°			
			45°			
			45°			
			45°			
			45°			
			45°			
			45°			
			45°			

<b>PureGuard</b>	1.1	C
r ui eGuai u		

INSTRUC	CTIONS:
---------	---------





**SS-160-2/3** Style No.:

**2-5**Order Sheet:

## Fitting: 2" & 3" Standard Reducer

Rings are fixed 32" diameter and larger

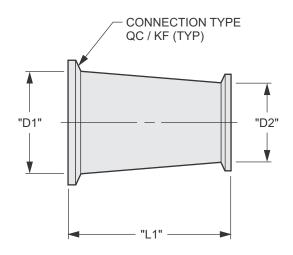
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

ype | | Rings are loose < 32" diameter PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



#### **REDUCER SPECIFICATIONS:** Custom lengths available.

STYLE #1	3" x 2" REDUCER	"L1" STANDARD 3-3/4"	"D1" STANDARD 3" O.D.	"D2" STANDARD 2" O.D.	STANDARD CONNECTIONS QUICK CLAMP
STYLE #2	4" x 2" REDUCER	"L1" STANDARD 3-3/4"	"D1" STANDARD 4" O.D.	"D2" STANDARD 2" O.D.	STANDARD CONNECTIONS QUICK CLAMP
STYLE #3	4" x 3" REDUCER	"L1" STANDARD 3-3/4"	"D1" STANDARD 4" O.D.	"D2" STANDARD 3" O.D.	STANDARD CONNECTIONS QUICK CLAMP

FITTING NUMBER	QTY	STYLE TYPE	"D1" CONNECTION TYPE	"D1" CONNECTION TYPE	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 

INSTRUCTIONS	
--------------	--





**SS-170-2/3** Style No.:

**2-6**Order Sheet:

# Fitting: 2" & 3" Standard Tee

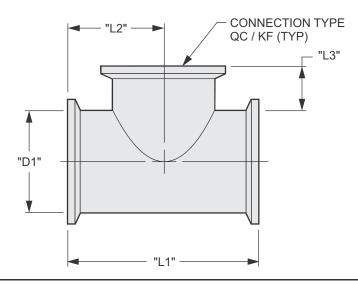
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**TEE SPECIFICATIONS:** Custom lengths available.

STYLE #1	2" x 2" TEE	"L1" STANDARD 4-3/8"	"L2 STANDARD 2-11/16"	"D2" STANDARD 1-1/4"	STANDARD CONNECTIONS QUICK CLAMP
STYLE #2	3" x 2" TEE	"L1" STANDARD 5-3/8"	"L2 STANDARD 2-11/16"	"D2" STANDARD 1-1/4"	STANDARD CONNECTIONS QUICK CLAMP
STYLE #3	3" x 3" TEE	"L1" STANDARD 5-3/8"	"L2 STANDARD 2-11/16"	"D2" STANDARD 1-1/4"	STANDARD CONNECTIONS QUICK CLAMP

FITTING NUMBER	QTY	STYLE TYPE	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 





**SS-172-2/3** Style No.:

**2-7** Order Sheet:

# Fitting: 2" & 3" Field Installed Straight Saddle Tap

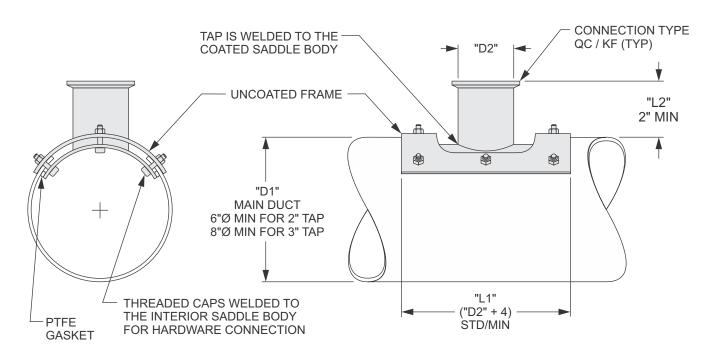
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

| Rings are loose < 32" diameter | Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



SADDLE SPECIFICATIONS: The main duct is to be sandwiched between the body and the frame.

FITTING NUMBER	QTY	"D1" DUCT DIA.	"L1" SADDLE LENGTH	"D2" TAP DIA. 2" / 3"	"D2" CONNECTION TYPE	"L2" TAP LENGTH	ADDITIONAL INSTRUCTIONS:

Pu	ro	C	112	rd	П	1 (	
гu	re	יט	ua	ru	_	ᄔ	٠

INSTRUCTIONS:			





**SS-182-2/3** Style No.:

**2-8**Order Sheet:

## Fitting: 2" & 3" Standard Lateral

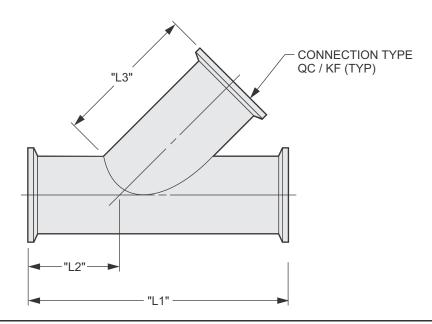
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



LATERAL SPECIFICATIONS: Custom lengths available.

STYLE #1	2" x 2" LATERAL	"L1" STANDARD 8-0"	"L2 STANDARD 2-0"	"L3" STANDARD 6-0"	STANDARD CONNECTIONS QUICK CLAMP
STYLE #2	3" x 3" LATERAL	"L1" STANDARD 8-0"	"L2 STANDARD 2-0"	"L3" STANDARD 6-0"	STANDARD CONNECTIONS QUICK CLAMP

FITTING NUMBER	QTY	STYLE TYPE	ADDITIONAL INSTRUCTIONS:

PureGu	ard	1.1	r
PureGu	aru	ᄔ	u

INSTRUCTIONS
--------------





**SS-208-2/3** Style No.:

**2-9**Order Sheet:

# Fitting: 2" & 3" End Cap

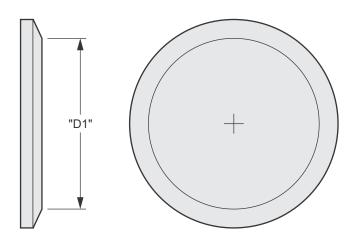
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

Rings are loose < 32" diameter Rings are fixed 32" diameter and larger PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 

INS	TRU	CTI	ONS	5:





**SS-300-2/3** Style No.:

**2-10**Order Sheet:

# Fitting: 2" & 3" Butterfly Damper

Rings are fixed 32" diameter and larger

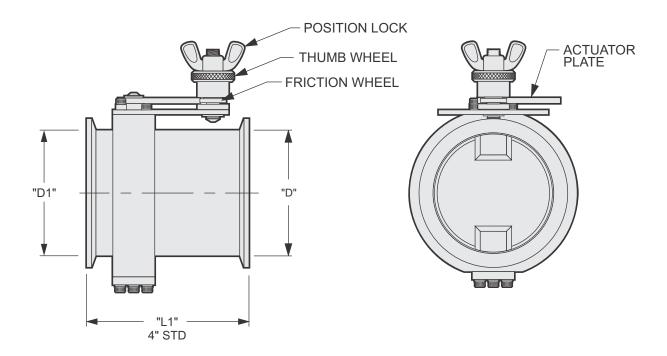
Conn Ring Type QC Quick Clamp - Avail 2" - 3"Ø

/pe | | Rings are loose < 32" diameter PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 

INSTRUCTIONS:			





SS-325-2/3 Style No.:

Order Sheet:

# Fitting: 2" & 3" Horiz. Run Slide Gate Damper

Conn Ring Type

QC Quick Clamp - Avail 2" - 3"Ø

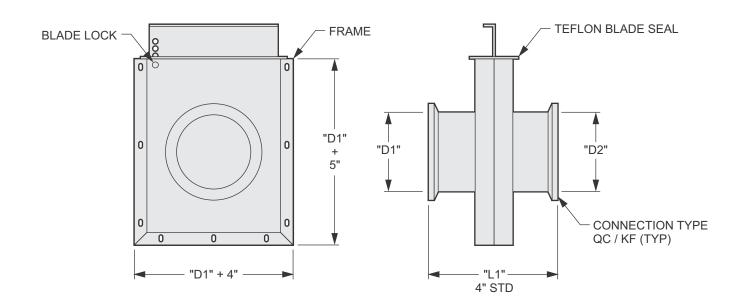
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	"L1" DUCT LENGTH	"D1" CONNECTION TYPE	"D2" CONNECTION TYPE	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--





SS-326-2/3 Style No.:

Order Sheet:

# Fitting: 2" & 3" Vertical Run Slide Gate Damper

Conn Ring Type

QC Quick Clamp - Avail 2" - 3"Ø

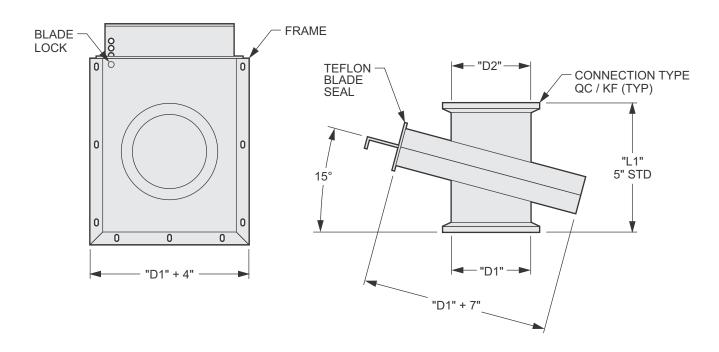
Rings are loose < 32" diameter Rings are fixed 32" diameter and larger

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



FITTING NUMBER	QTY	"D1" DUCT DIA. 2" / 3"	"L1" DUCT LENGTH	"D1" CONNECTION TYPE	"D2" CONNECTION TYPE	ADDITIONAL INSTRUCTIONS:

**PureGuard LLC** 

INS	STR	UCT	ONS:
-----	-----	-----	------









# Order Cover Sheet Rectangular Duct



Customer Use					
Name (requestor):	Tel:				
Company:	Fax:				
P.O. Box / Street:	Cell:				
City / State / Zip:	Email:				
Project Name:	P.O. Number:				
Project Location:	RFQ Number:				
Requested Lead Time:	RFQ Due Date:				

PureGuard LLC Use					
Job Number:	Order Date:	Ship Date:			

**PureGuard LLC** 

INSTRU	CTIONS:
--------	---------





**3-1**Order Sheet:

# Fitting: Index Rectangular Duct





- 3-1 Cover Sheet
- 3-0 Index

#### **Rectangular Duct:**

- 3-2 Rectangular Flange and Gauge Standards
- 3-3 Rectangular Straight Duct: SS-105
- 3-4 Rectangular Duct Offset: SS-106
- 3-5 Custom Rectangular Mitered Elbow: SS-147
- 3-6 Custom Rectangular Sweep Elbow: SS-148
- 3-7 Concentric Transition: SS-161
- 3-8 Eccentric Transition: SS-162
- 3-9 Rectangular Duct with Multiple Tap Styles: SS-196
- 3-10 Rectangular End Cap: SS-210
- 3-20 Parallel Blade Backdraft Damper: SS-380
- 3-21 Opposed Blade Rectangular Damper: SS-385





3-2 Order Sheet:

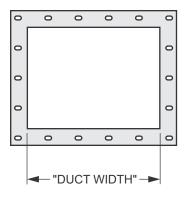
# Fitting: Rectangular Flange and Gauge Standards

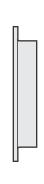
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





**FLANGE SPECIFICATIONS:** Interior stiffener (1" SCH40 pipe) required for duct width or height over 50.0". All duct width greater then 98" overall is subject to engineering review.

				DUCT WIDTH			
	12" - 24"	26" - 36"	38" - 48"	50" - 60"	62" - 72"	74" - 84"	86" - 96"
6" W.C.	GAUGE - 16	GAUGE - 16	GAUGE - 16	GAUGE - 16	GAUGE - 16	GAUGE - 16	GAUGE - 16
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16			
8" W.C.	GAUGE - 14	GAUGE - 14	GAUGE - 14	GAUGE - 14	GAUGE - 14	GAUGE - 14	GAUGE - 14
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16
10" W.C.	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16
12" W.C.	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2.5 X 2.5 X 3/16
14" W.C.	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12	GAUGE - 12
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2.5 X 2.5 X 3/16
16" W.C.	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	1.5 X 1.5 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2.5 X 2.5 X 3/16	2.5 X 2.5 X 3/16
18" W.C.	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10	GAUGE - 10
	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE	ANGLE SIZE
	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2 X 2 X 3/16	2.5 X 2.5 X 3/16	3 X 3 X 3/16

**PureGuard LLC** 

1010 South 65th Ave., No. 100 Phoenix, AZ 85043 T 623.478.1800 / F 623.478.1860 Email: info@pureguard2.com INSTRUCTIONS:





SS-105 Style No.: **3-3**Order Sheet:

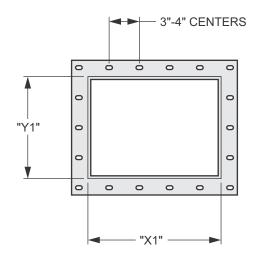
## Fitting: Rectangular Straight Duct

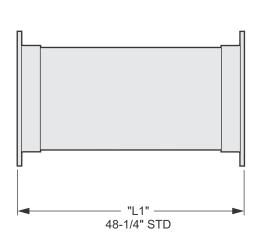
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





**DUCT SPECIFICATIONS:** Interior stiffener (1" SCH40 pipe) required for duct width or height over 50.0".

FITTING NUMBER	QTY	"L1" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--





SS-106 Style No.: **3-4** Order Sheet:

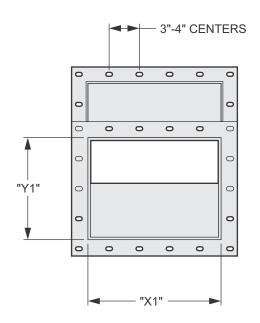
## Fitting: Rectangular Duct Offset

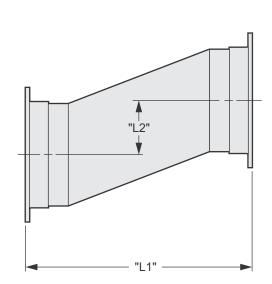
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





OFFSET SPECIFICATIONS: Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	"L1" DUCT LENGTH	"L2" DUCT OFFSET	"X1" WIDTH	"Y1" HEIGHT	INSTRUCTIONS

PureGuard LLC

IN	ST	RU	СТ	10	NS:





**SS-147**Style No.:

**3-5** Order Sheet:

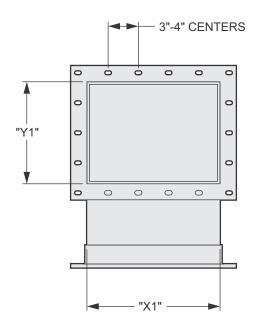
# Fitting: Custom Rectangular Mittered Elbow

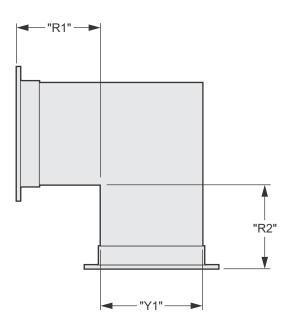
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





ELBOW SPECIFICATIONS: Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	ELBOW ANGLE	"X1" WIDTH	"Y1" HEIGHT	"R1" THROAT LENGTH	"R2" THROAT LENGTH	INSTRUCTIONS

**PureGuard LLC** 

INS	TRL	JCT	IONS





**SS-148**Style No.:

**3-6** Order Sheet:

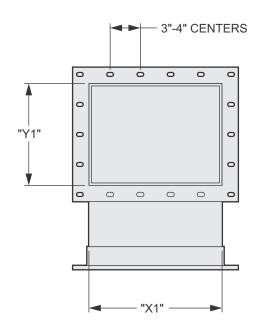
# Fitting: Custom Rectangular Sweep Elbow

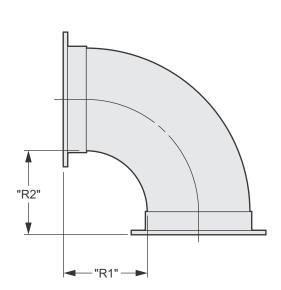
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





ELBOW SPECIFICATIONS: Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	ELBOW ANGLE	"X1" WIDTH	"Y1" HEIGHT	"R1" THROAT LENGTH	"R2" THROAT LENGTH	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS		
--------------	--	--





**SS-161**Style No.:

**3-7** Order Sheet:

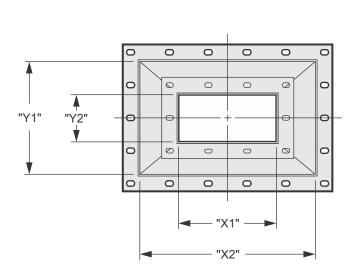
## Fitting: Concentric Transition

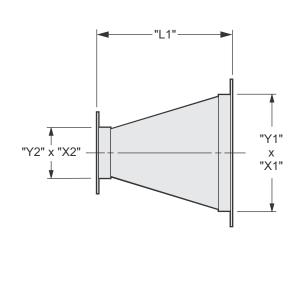
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





**DUCT SPECIFICATIONS:** Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	"L1" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	"X2" WIDTH	"Y2" HEIGHT	INSTRUCTIONS

PureGuard LLC





**SS-162** Style No.:

**3-8** Order Sheet:

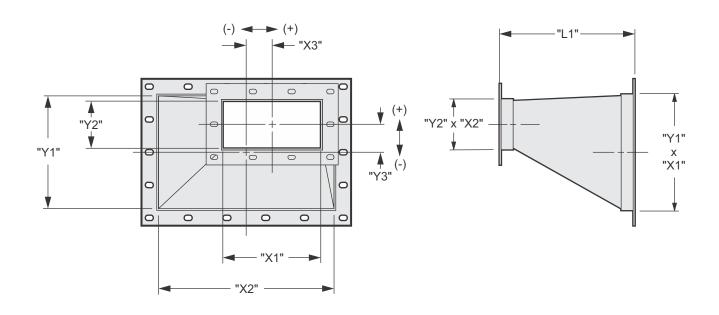
## Fitting: Eccentric Transition

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**DUCT SPECIFICATIONS:** Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	"L1" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	"X2" WIDTH	"Y2" HEIGHT	"X3" DEVIATE	"Y3" DEVIATE	INSTRUCTIONS

<b>PureGuard</b>	1.1	C
r ui eGuai u		

INSTRUCTIONS	
--------------	--





SS-196 Style No.: **3-9**Order Sheet:

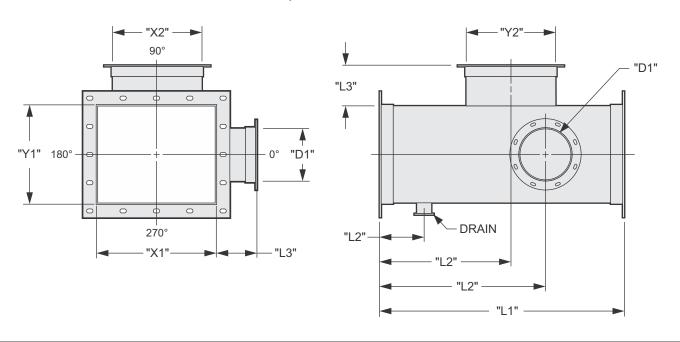
# Fitting: Rectangular Duct with Multiple Tap Styles

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



**DUCT SPECIFICATIONS:** Interior stiffener (1" SCH40 pipe) may be required for duct width or height over 50.0".

FITTING NUMBER	QTY	"L1" DUCT LENGTH	"X1" WIDTH	"Y1" HEIGHT	INSTRUCTIONS:				
TAP NUMBER	"D1" TAP DIA.	"D1" RING TYPE	"X2" WIDTH	"Y2" HEIGHT	"L2" TAP LOCATION	"L3" TAP LENGTH	ROTATION ON DUCT	INSTRUCTIONS:	

**PureGuard LLC** 

INSTRUCTIONS	JCTIONS	U	ſR	IS.	IN	
--------------	---------	---	----	-----	----	--





**3-10** Order Sheet:

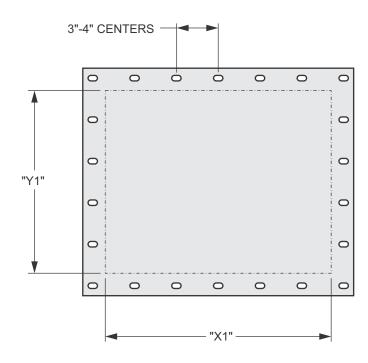
## Fitting: Rectangular End Cap

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



END CAP SPECIFICATIONS: A support stiffener may be required for end cap sizes over a width or height of 50.0".

FITTING NUMBER	QTY	"X1" WIDTH	"Y1" HEIGHT	INSTRUCTIONS

**PureGuard LLC** 

INSTRUCTIONS:			





SS-380 Style No.: **3-20** Order Sheet:

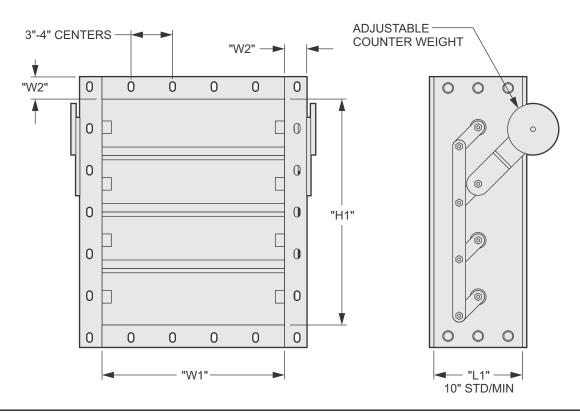
# Fitting: Parallel Blade Backdraft Damper

PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:



DAMPER SPECIFICATIONS: Standard flange width ("W2") is 2".

FITTING NUMBER	QTY	"W1" DUCT WIDTH	"H1" DUCT HEIGHT	"L1" DUCT LENGTH	"W2" FLANGE WIDTH	INSTRUCTIONS

<b>PureGuard</b>	4	1		r
PureGuard	a.	_	<b>∟</b> '	L

INSTRUCTIONS	
--------------	--





**SS-385** Style No.:

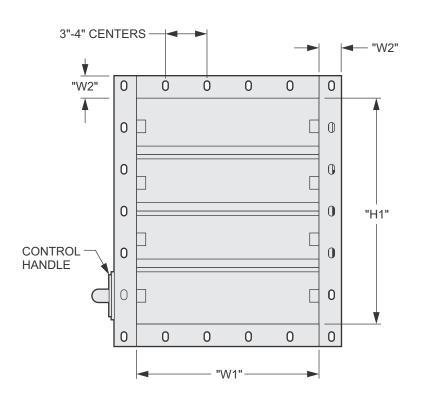
## Fitting: Opposed Blade Rectangular Damper

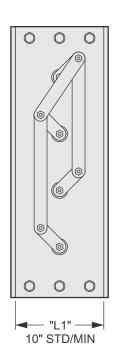
PureGuard II is FM Approved for use without sprinklers, subject to the conditions of approval as a Fume and/or Exhaust Duct, when installed in accordance with instructions shown in the current edition of the FM Approval Guide.





Standard design is +/-6" w.c. per SMACNA Industrial Standard unless otherwise noted here:





DAMPER SPECIFICATIONS: Standard flange width ("W2") is 2".

FITTING NUMBER	QTY	"W1" DUCT WIDTH	"H1" DUCT HEIGHT	"L1" DUCT LENGTH	"W2" FLANGE WIDTH	INSTRUCTIONS

Pu	ro	C	112	rd	П	ıc	
гu	re	יט	ua	ru	_	ᄔ	,

1010 South 65th Ave., No. 100 Phoenix. AZ 85043 0

	,		
T 623.4	478.1800	/ F 623.478.186	6(
Email:	info@pu	reguard2.com	

INSTRUCTIONS:			