

Design Matrix for Product Usage

DWGV/SWGV PRODUCT LINE

For Categorized Boilers

| <u>Pipe Series</u> | <u>Description</u> | <u>Diameters</u> | <u>Liner/Outer Jacket</u> | <u>Notes</u> |
|--------------------|--|------------------|--|---|
| SWGV | <p>Single Wall Special Gas Vent 3"-12" assembles with simple gasketed joint and locking band.</p> <p>13" to 36" - 1.25" overlapping joint with added ½" rolled flange and vee band connection.</p> | 3" to 36" | <p>3" to 12" Ø 0.020" UL 1738 Approved Stainless Steel (316L or 444) Single Wall 13"-36" Ø 0.035" Single Wall</p> | <p>Special Gas Vents (heating/ventilating gas only), Temperature not exceeding 550°F Pressures not exceeding 20" WC. UL 1738 Standard Cat. II, III, IV ULC-S636</p> <p>Class IIC & IIB- PP (Polypropylene), PVC/CPVC at 230°F/194°F max. temp. and zero clearance to comb.</p> |
| DWGV | <p>Double Wall Special Gas Vent 3"-12" With 1" insulating air space, assembles with simple gasketed joint and locking band.</p> <p>13" to 36" - 1.25" overlapping joint with added ½" rolled flange and vee band connection. With 1.25" insulating air space</p> | 3" to 36" | <p>3" to 12" Ø 0.020" UL 1738 Approved Stainless Steel (316L or 444) 13"-36" Ø 0.035" Inner Liner Outer Jacket .025" 304 Stainless Steel</p> | <p>Special Gas Vents (heating/ventilating gas only), Temperature not exceeding 550°F Pressures not exceeding 20" WC. UL 1738 Standard Cat. I, II, III, IV ULC-S636</p> <p>Class IIC & IIB- PP (Polypropylene), PVC/CPVC at 230°F/194°F max. temp. and zero clearance to comb.</p> |
| | | | | |
| All Supports | | | 304 Stainless Steel | |

DWFL/SWFL PRODUCT LINE - All Applications

| <u>Pipe Series</u> | <u>Description</u> | <u>Diameters</u> | <u>Liner/Outer Jacket</u> | <u>Notes</u> |
|---|---|------------------|--|--|
| SWFL | Universal – All Applications | 6” to 36” | .035” 444 or 316L Stainless Steel Single Wall – 6” to 36” - 1.25” overlapping joint with added ½” rolled flange and vee band connection. | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure |
| DWFL | Double Wall- Air Space Universal – All Applications | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, 1” Air Space |
| DWFL+1 | Double Wall + 1.25 inch of Fiber Insulation- All Applications, even High Temp | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, Ceramic Fiber wool blanket Compressed Fiber Insulation – 1½” compressed to 1¼” thick |
| DWFL+2 | Double Wall + 2.25 inches of Fiber Insulation- All Applications, even High Temp | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, Ceramic Fiber wool blanket Compressed Fiber Insulation – 2.25” thick |
| DWFL+3 | Double Wall + 3.25 inches of Fiber Insulation- All Applications, even High Temp | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, Ceramic Fiber wool blanket Compressed Fiber Insulation – 3.25” thick |
| DWFL+4 | Double Wall + 4.25 inches of Fiber Insulation- All Applications, even High Temp | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, Ceramic Fiber wool blanket Compressed Fiber Insulation – 4.25” thick |
| DWFL-ZC (Zero-Clearance) UL 2221 Zero Clearance to combustibles and two-hour fire-rated-resistant enclosure/duct assembly | Double Wall + 3.25 inches of High Density Ceramic Fiber Insulation- All Applications, even High Temp | 6” to 36” | Double Wall .035” Thick Liner, 444 or 316L Stainless Steel – 6” to 24” Dia. .025” thick 304 Stainless Steel Outer Jacket, 26” to 36” Dia. .035” Outer Jacket | All Applications- Commercial Kitchen Ventilation Systems, Commercial Laundry Dryer Exhaust, Special Gas Vents (heating/ventilating/gas/oil), High Temperature and Pressure, Ceramic Fiber wool blanket Compressed Fiber Insulation – 3.25” thick |
| All Supports | | | 304 Stainless Steel | |

DWKL/SWKL PRODUCT LINE *Our Original- Conical Joint*

| <u>Pipe Series</u> | <u>Description</u> | <u>Diameters</u> | <u>Liner/Outer Jacket</u> | <u>Notes</u> |
|--------------------|---|------------------|---|---|
| DWKL-Lt | Double Wall Light- For All Applications, even High Temp | 3" to 16" | Double Wall .020" Thick Liner, 444 Stainless Steel .025" thick 304 Stainless Steel Outer Jacket. Conical 2.2" overlapping joint. Requires tapping to fully engage. | All Applications; ceramic fiber wool blanket Compressed Fiber Insulation- 1½" compressed to 1¼" thick |
| SWKL-Vt | Single Wall for All Applications, Lighter Weight, Gas/Oil | 3" to 16" | Single Wall .020" Thick 444 Stainless Steel. Conical 2.2" overlapping joint. Requires tapping to fully engage. | All Applications; Lighter weight |
| DWKL-Vt | Double Wall for All Applications up to 1200F – Special Gas/Oil Vents | 3" to 16" | Double Wall .020" Thick Liner, 444 Stainless Steel .025" thick 304 Stainless Steel Outer Jacket. Conical 2.2" overlapping joint. Requires tapping to fully engage. | 1¼" Cut Mineral Fiber Insulation |
| All Supports | | | 304 Stainless Steel | |

DWGD/SWGD PRODUCT LINE *Grease Duct*

| <u>Pipe Series</u> | <u>Description</u> | <u>Diameters</u> | <u>Liner/Outer Jacket</u> | <u>Notes</u> |
|--------------------|--|------------------|--|---|
| SWGD | Single Wall- For Grease Duct Only, can be Fire-wrapped | 3" to 16" | Single Wall, UL 1978 Listed Standard Stainless Steel. Conical 2.2" overlapping joint. Requires tapping to fully engage. | All Grease Duct, dryer vent applications. Meant to be direct replacement for welded steel in the field. Can be wrapped with Fire-wrap insulation to achieve better clearance to combustibles and eliminate welding on-site. |
| SWGD | Single Wall- For Grease Duct Only, can be Fire-wrapped | 18" to 36" | Single Wall, UL 1978 Listed Standard Stainless Steel. 1.25" overlapping joint with added ½" rolled flange and vee band connection. | All Grease Duct, dryer vent applications. Meant to be direct replacement for welded steel in the field. Can be wrapped with Fire-wrap insulation to achieve better clearance to combustibles and eliminate welding on-site |
| DWGD+1 | Double Wall for All Grease Duct applications | 6" to 36" | Double Wall. UL 1978 Listed Stainless Steel Inner liner. Outer jacket made of stainless steel. 5"-24"Ø= 0.025" thick; 26"- 36"Ø=0.035" thick | All Grease Duct, dryer vent applications. 1.5" thick ceramic fiber insulation compressed into 1.25" space for reduced clearance-to- combustibles. |
| DWGD-ZC | Double Wall for All Grease Duct applications | 6" to 36" | Double Wall. UL 1978/UL 2221 Listed Stainless Steel Inner liner. Outer jacket made of stainless steel. 5"-24"Ø= 0.025" thick; 26"- 36"Ø=0.035" thick | All Grease Duct applications. 3.25" thick compressed ceramic fiber insulation. Provides 2-hour fire rated shaft and zero clearance duct assembly. UL 2221 and UL 1978 Listed for Factory-Built Grease Ducts, 90" w.c. Pressure Listing. |
| All Supports | | | 304 Stainless Steel | |