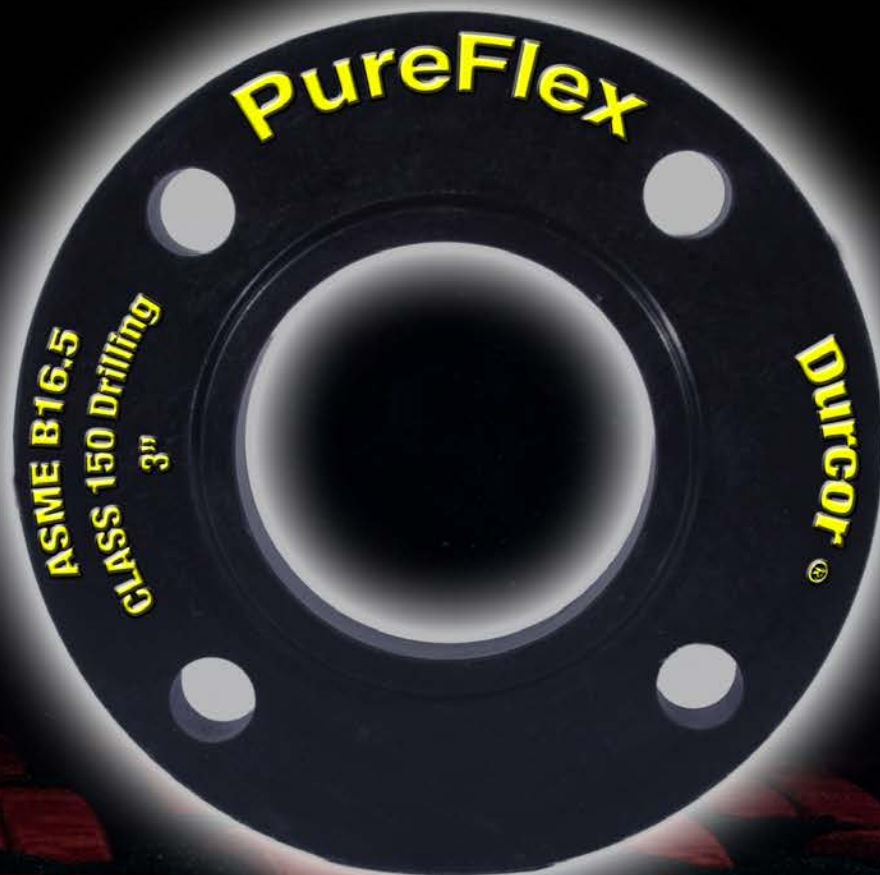


# Durcor<sup>®</sup>

## Composite Lap Joint Flanges



- STRONG AS STEEL
- OUTSTANDING CORROSION RESISTANCE
- 1/4 THE WEIGHT OF STEEL
- LOWER COST

**PureFlex<sup>®</sup>**  
an ANDRONACO INDUSTRIES company



# Durcor® Flanges

## PureFlex® Advanced Technology

Durcor® Lap Joint Flanges are manufactured from PureFlex proprietary advanced fiber reinforced composite. Durcor has tensile and compressive strengths that rival steel along with outstanding impact resistance that is unmatched in the industry. Its reinforcing fibers are long and interlocked. This interlocked reinforcement system transfers loads throughout the fiber matrix, making Durcor Flanges virtually indestructible. The strength of Durcor enables the flanges to be installed in any type of piping system without the need for special considerations. Durcor Flanges excel in temperatures from (-)60°F to (+)300°F and has only .001" of thermal expansion across its full temperature range.

- Tensile strength of 50,000 psi per ASTM D-638 or 345 Mpa
- Notched Izod Impact strength of 35 ft-lb/in per ASTM D-256 or 1868 J/M are achieved

### Tensile strength comparison

**Steel 60,000 psi**

**Durcor® 50,000 psi**

**STD. FRP 12,000 psi**

## Superior Performance

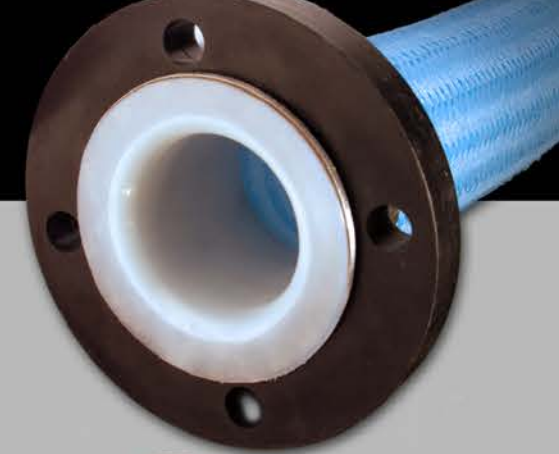
The Durcor vinyl ester resin backbone provides excellent protection when exposed to aggressive chemicals and hostile atmospheres such as acid sprays, bleach, salt water and high chlorides. Durcor Flanges out perform stainless and ductile iron flanges not only in corrosive environments but non-corrosive as well. Its lightweight advantage reduces the need for heavier support structures for hanging, eliminates the need for extra equipment and personnel for pipe and fitting installation and reduces pipe strain once installed. Durcor Flanges are so dependable and maintenance free that we offer the industries first 5 year, bumper to bumper warranty. Contact PureFlex or your local distributor for details.



**Strong  
Light Weight  
Zero Corrosion**

## Advantages Of Durcor® Flanges

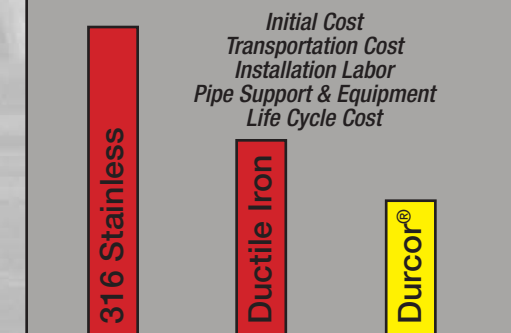
- Strong As Steel
- 1/4 The Weight Of S.S.
- ASME B16.5 Drilling
- (-)60°F to (+)300°F
- Lower Cost Than 316 S.S.
- Lower Transportation Cost
- Lower Installed Cost
- Lower Life Cycle Cost
- Zero Corrosion Rate
- 5 Year Warranty



PTFE Lined Tee is 1/3 the weight with Durcor Flanges



### TOTAL COST COMPARISON



| Weight Comparison | 1"   | 1 1/2" | 2"   | 3"    | 4"    | 6"    | 8"    |
|-------------------|------|--------|------|-------|-------|-------|-------|
| Steel             | 2.00 | 3.50   | 5.00 | 10.00 | 13.00 | 19.00 | 30.00 |
| Durcor®           | 0.50 | 0.85   | 1.20 | 2.50  | 3.25  | 4.25  | 7.25  |

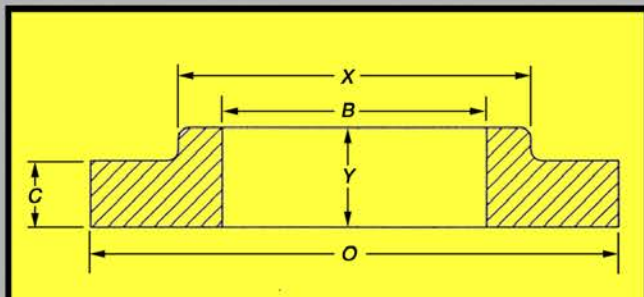
**The strongest, lightest, most chemically resistant flange in the world!**





# Specify Durcor Flanges On All Of Your Piping And Hoses

## Nominal Dimensional Data



| Size (in) | O (in) | C (in) | X (in) | Y (in) | B (in) |
|-----------|--------|--------|--------|--------|--------|
| 1         | 4.25   | .75    | 1.94   | .90    | 1.38   |
| 1 1/2     | 5.00   | .90    | 2.56   | 1.00   | 1.97   |
| 2         | 6.00   | .95    | 3.06   | 1.20   | 2.46   |
| 3         | 7.50   | 1.20   | 4.25   | 1.45   | 3.60   |
| 4         | 9.00   | 1.15   | 5.31   | 1.50   | 4.60   |
| 6         | 11.00  | 1.20   | 7.56   | 1.75   | 6.75   |
| 8         | 13.50  | 1.35   | 9.69   | 2.00   | 8.75   |

## How To Specify

### 1. Scope

**1.1** The following product specifications apply to "FLANGES" for piping, fittings and hoses. Flanges shall be rated for 150 psi continuous service and have an operating temperature range of (-)60°F to (+)300°F.

**1.2** It is recommended that you check chemical compatibility with your material selections of any flange.

### 2. Flange

**2.1** Flange shall be manufactured from vinyl ester fiberglass composite.

**2.2** Flange shall have a nominal Notched Izod Impact strength of 35 ft-lb/in per ASTM-256.

**2.3** Flange shall have a nominal tensile strength of 50,000 psi per ASTM D-638.

### 3. Flange Manufacturer

**3.1** Flange shall be manufactured by PureFlex, Inc. 4855 Broadmoor Ave. Kentwood, MI 49512 Phone 616-554-1100 Fax 616-554-3633 www.pureflex.com

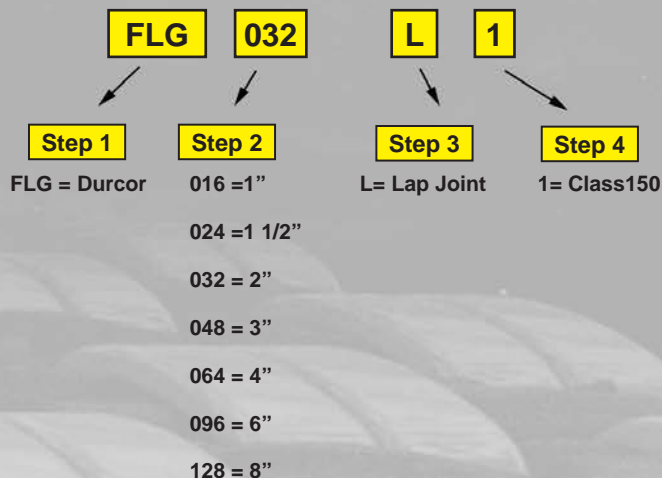
PUREFLEX® INC. INFORMATION IS BASED ON TECHNICAL DATA AND TESTING THAT PUREFLEX BELIEVES TO BE RELIABLE AND IS SUBJECT TO CHANGE WITHOUT NOTICE. THE INFORMATION IS INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL, AT THEIR OWN DISCRETION AND RISK. SINCE CONDITIONS OF PRODUCT ARE OUTSIDE OF PUREFLEX, INC CONTROL, PUREFLEX® INC MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. PUREFLEX®, TASK-LINE™ AND DURCOR® ARE TRADEMARKS OF PUREFLEX® INC.

## How To Order

EXAMPLE:

2" Durcor® Lap Joint, CLASS 150 Flange

Part Number = **FLG - 032 - L - 1**



**PureFlex**®  
Inc.  
an ANDRONACO INDUSTRIES company

4855 Broadmoor Ave.  
Kentwood, MI. 49512  
Ph 616.554-1100 Fax 616.554-3633  
www.pureflex.com

0713-092617