



6390 Philips Highway  
Jacksonville, FL 32216  
Phone (904) 737-7144

## SPECIFICATION DATA SHEET

# MODEL No. 3710-D

### TAKEOFF WITH MANUAL VOLUME DAMPER

Date: 03/06/19 rev.

Drawn by: M.D.C.

#### DIMENSIONAL DATA

SIZES: 4" THROUGH 20" DIAMETER

COLLAR LENGTH 6" ALL SIZES

#### FABRICATION DATA

MATERIAL:  
HOT DIPPED GALVANIZED STEEL SHEET  
PER ASTM-A653 CS TYPE B.

GAUGES:  
4" THROUGH 8" = 28 GAUGE  
9" THROUGH 14" = 26 GAUGE  
16" THROUGH 20" = 24 GAUGE

#### AIR FLOW CHARACTERISTICS

BASED ON 700 F/M VELOCITY IN MAIN DUCT, 600  
F/M VELOCITY IN BRANCH DUCT. DESIGN  
FRICTION LOSS OF .15" W.G. PER 100 FT. OF DUCT.  
PRESSURE LOSS IN EQUIVALENT FEET OF  
BRANCH DUCT = 25FT.

#### FEATURES

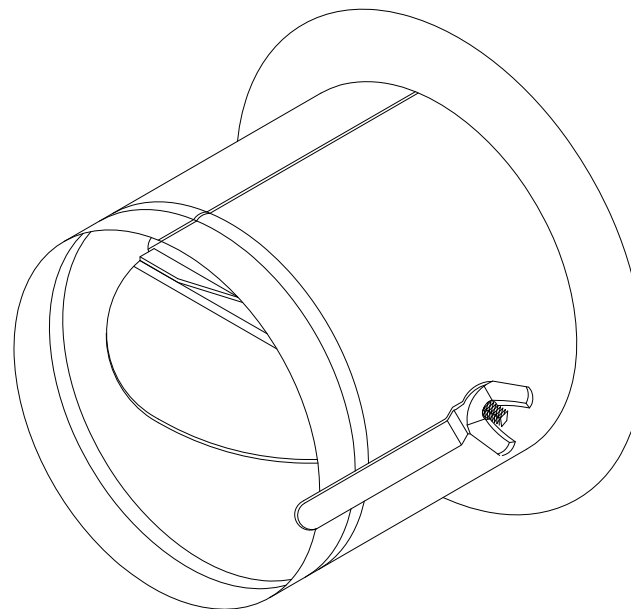
FABRICATED WITH CONTINUOUS WELD  
LONGITUDINAL SEAM FOR NO AIR LEAKAGE  
AT 2" W.G. STATIC PRESSURE.

FABRICATED WITH 1" WIDE GASKETED FLANGE  
WITH PRE-DRILLED SCREWS HOLES FOR EASE  
OF INSTALLATION.

#### OPTIONS

NO. 3710: STRAIGHT TAKEOFF WITH GASKETED  
FLANGE.

NO. 3710-DS: TAKEOFF WITH MANUAL VOLUME  
DAMPER AND 2" DAMPER HANDLE  
STANDOFF.



**CONFIGURATION OF  
4" THROUGH 12" DIAMETERS**

#### SPECIAL NOTES

RECOMMENDED INSTALLATION: DAMPER AXIS PARALLEL TO AIR FLOW.

MADE TO MEET S.M.A.C.N.A. GAUGE STANDARDS. MAXIMUM 10" W.G. STATIC PRESSURE SCHEDULE.  
(S.M.A.C.N.A. HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION - 2005)

SIZES 4" THROUGH 12": REINFORCED DAMPER AXIS WITH 1/4" REGULATOR, END BEARING WITH  
WASHER AND WING NUT.

SIZES 14" THROUGH 20": 3/8" CONTINUOUS ROD DAMPER AXIS WITH LOCKING REGULATOR, NYLON  
GROMMETS INSTALLED AT THE COLLAR PENETRATIONS.