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Jacksonville, FL 32216
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SPECIFICATION DATA SHEET

MODEL No. 3210-D

CONICAL TAKEOFF WITH GASKET RING
AND MANUAL VOLUME DAMPER

Date: 10/06/09 rev.

Drawn by: M.D.C.

DIMENSIONAL DATA

SIZES AVAILABLE: 4" THROUGH 20" DIAMETER

ORDER BY BRANCH DUCT DIMENSION.
HOLE DIMENSION CUT IN TRUNK DUCT IS
2" GREATER THAN BRANCH DUCT.

5 3/8" LONG COLLAR.

FABRICATION DATA

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

GAUGES:
SIZES 4" - 8" 28 GAUGE
SIZES 9" - 14" 26 GAUGE
SIZES 16" - 20" 24 GAUGE

FEATURES

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

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

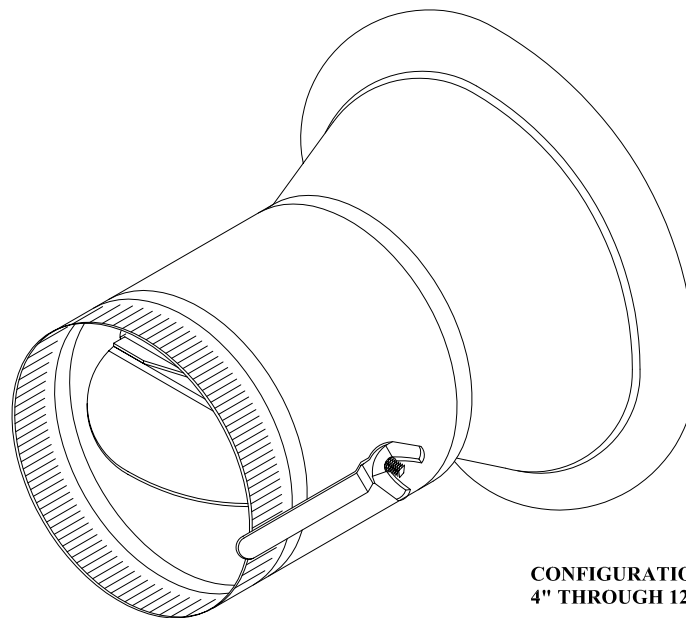
AIR FLOW CHARACTERISTICS

BASED ON 900 F/M VELOCITY IN MAIN DUCT;
700 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 = 3 FT.

OPTIONS

No. 3210: CONICAL TAKEOFF

No. 3210-DS: CONICAL 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.

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.

MADE TO MEET S.M.A.C.N.A. GAUGE STANDARDS. MAXIMUM 2" W.G. STATIC PRESSURE SCHEDULE.
(S.M.A.C.N.A. HVAC DUCT CONSTRUCTION STANDARDS, SECOND EDITION - 1995)