PTBSC / PTBSRC

Plenum Slot Diffuser, Fixed Blade, Supply/Return

MODEL

- PTBSC - Steel plenum slot supply diffuser with fixed aluminum curved blades
- PTBSRC - Steel plenum slot supply/return combination diffuser with fixed aluminum curved blades

FEATURES

- Combination slot diffuser with plenum for lay-in T-bar ceiling systems
- Fixed horizontal pattern deflector, steel construction
- Combination supply / return (model PTBSRC)

PLENUM INLET SIZES

- Oval: 6", 8", or 10" [1]

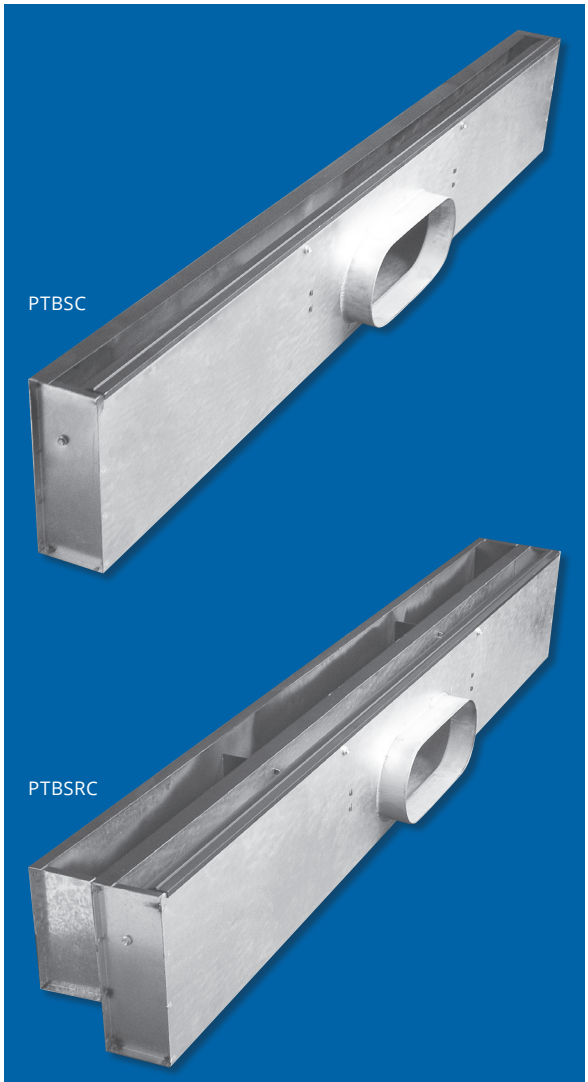
SLOTS

- Slot Quantity: 1 (supply), 2 (supply/return combo)
- Slot Widths: 3/4" (supply), 2" (return)
- Slot Lengths: 24", 36", 48", 60"

COMPATIBLE OPTIONS AND ACCESSORIES

- HCFPTBSC / HCFPTBSRC - Plaster frame

NOTES:
1 10" oval inlet not available with 24" slot length.



WEB SEARCH: PTBSC or PTBSRC

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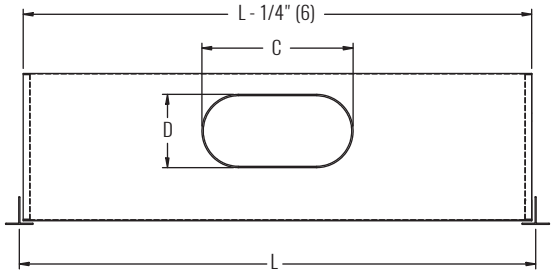
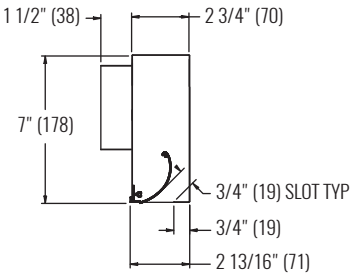
KRUEGER

DIMENSIONAL DATA

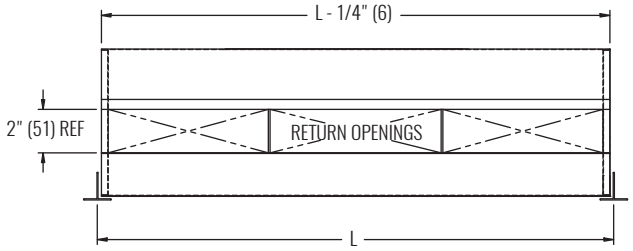


INLET SIDE VIEW

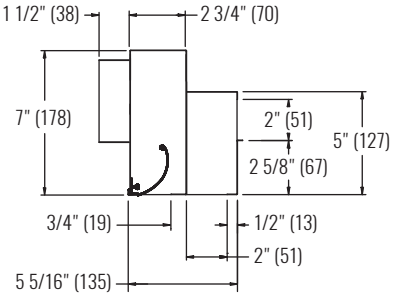


PTBSC, CROSS SECTION

DIMENSIONS		
INLET	C	D
6" OVAL (152)	7 9/16" (192)	3" (76)
8" OVAL (203)	10 1/16" (256)	4" (102)
10" OVAL (254)	13 1/4" (337)	4" (102)



RETURN SIDE VIEW



PTBSRC, CROSS SECTION

NOTES: Dimensions in parentheses are millimeters (mm).

PERFORMANCE AND DESIGN DATA

SIZE	PERFORMANCE - HORIZONTAL THROW, 48" UNIT LENGTH, 1-SLOT, 3/4" SLOT WIDTH, 1-WAY THROW				DESIGN		
NOMINAL INLET	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
	CFM	THROW (ft)	CFM	THROW (ft)			
6"	80 - 160	18 - 32	200 - 320	36 - 46	210	29	0.30
8"	100 - 190	22 - 35	235 - 370	39 - 49	240	33	0.30
10"	120 - 220	27 - 38	270 - 420	42 - 52	280	39	0.30

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Units are typically installed at the perimeter. ADPI based on 8ft gap between ends of diffusers, horizontal discharge away from window. Controlled zone is 12 ft wide by indicated separation distance. Unless otherwise noted, throw value ranges provided are for a horizontal discharge air pattern at isothermal conditions and a terminal velocity of 50 FPM (0.25 m/s). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.