

MODEL

- RM4 - Steel round diffuser, 4 cones, 3 position adjustments, and a large outer anti-smudge cone
- 5RM4 - Aluminum round diffuser, 4 cones, 3 position adjustments, and a large outer anti-smudge cone

FEATURES

- Horizontal/vertical air distribution; units ship in vertical position
- Designed for heating and cooling applications
- 360° discharge air pattern
- Excellent performance in variable air volume systems
- Designed for exposed duct or hard ceiling applications

INLET SIZES

- Round: 6" - 20" (2" increments), 24"^{1 2}

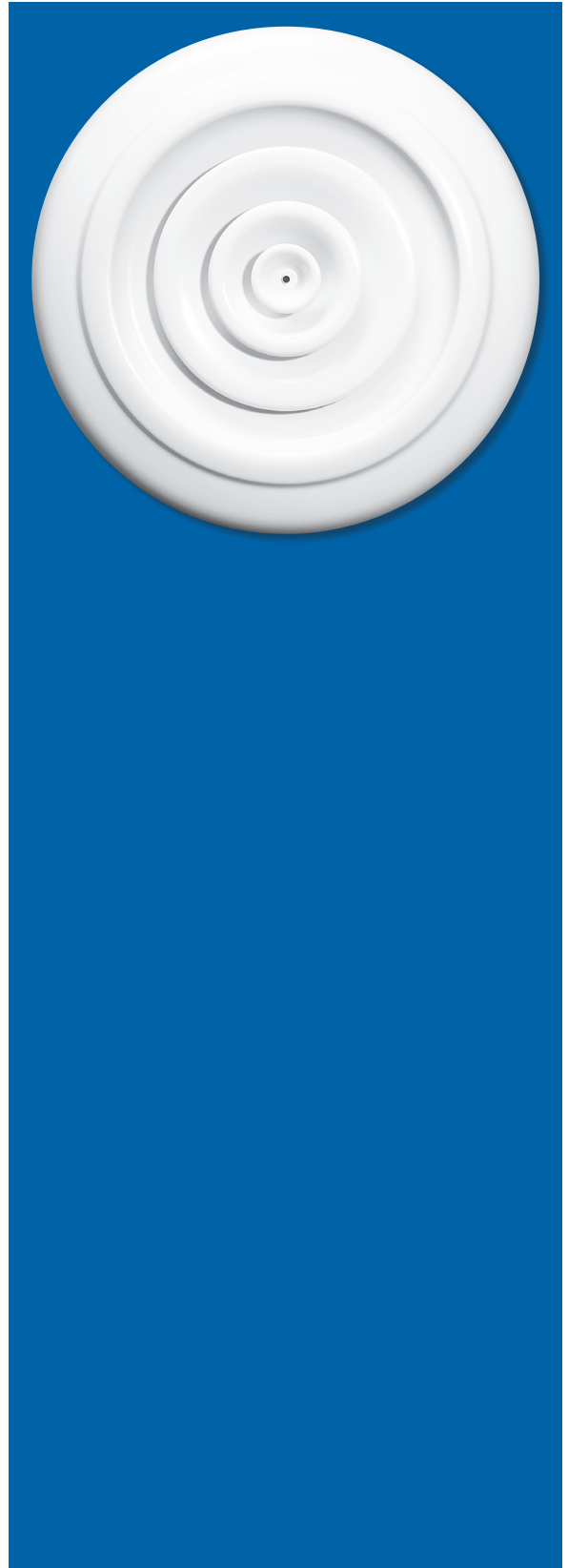
COMPATIBLE OPTIONS AND ACCESSORIES

- Safety chain (optional on sizes under 12", standard on 12" and larger)
- PR10 - Steel, radial opposed blade damper, 12" max (neck mount)
- PRN100 - Steel, radial fan damper, 14" max (neck mount)
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper, 14" max (duct mount)
- PR12 - Steel, butterfly bladed damper (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid
- OBDDM - Steel, square or rectangular damper (duct mount)
- EX8 - Steel duct extractor with 1" blade spacing (duct mount)
- EX88 - Steel duct extractor with 2" blade spacing (duct mount)

NOTES: Not all options available with all configurations or one another. Some options must be ordered separately. See website for complete compatibility.

¹ Largest inlet size available for 5RM4 is 18".

² Safety chain included on all units with 12" or greater inlet size.

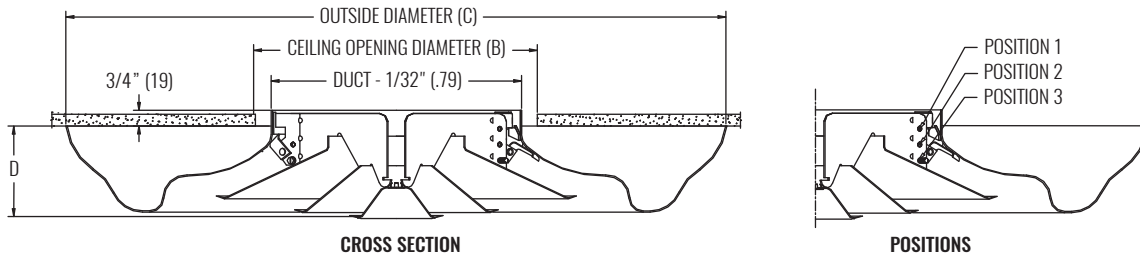


RM4 / 5RM4

Round Diffuser, 4 Cones, Anti-smudge Cone



DIMENSIONAL DATA



DIMENSIONS					
RM4 NOMINAL ROUND DUCT	5RM4 NOMINAL ROUND DUCT	POSITION 1 (HORIZONTAL) D	POSITION 2 (VERTICAL) D	CEILING OPENING DIAMETER B	OUTSIDE DIAMETER C
6"	6"	3 1/16" (78)	2 5/16" (59)	7" (178)	17 3/8" (441)
8"	8"	3 15/16" (100)	3" (76)	9" (229)	23 1/4" (591)
10"	10"	4 7/8" (124)	3 3/4" (95)	11" (279)	29" (737)
12"	12"	5 15/16" (151)	4 1/2" (114)	13" (330)	34 7/8" (886)
14"	14"	6 7/8" (175)	4 15/16" (125)	15" (381)	40 5/8" (1032)
16"	16"	7 9/16" (192)	5 9/16" (141)	17" (432)	46 3/8" (1178)
18"	18"	8 5/8" (219)	6 3/8" (162)	19" (483)	51 3/8" (1305)
20"	-	9 1/2" (241)	7" (178)	21" (533)	56 1/4" (1429)
24"	-	11 3/8" (289)	8 3/8" (213)	25" (635)	67 1/2" (1715)

PERFORMANCE AND DESIGN DATA

SIZE		PERFORMANCE				DESIGN - BASED ON HORIZONTAL THROW		
NOMINAL INLET	POSITION	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
		CFM	THROW (ft)	CFM	THROW (ft)			
HZ = HORIZONTAL DISCHARGE AIR PATTERN / VT = VERTICAL DISCHARGE AIR PATTERN								
8"	1 (HZ)	70 - 230	3 - 9	250 - 384	10 - 12	280	22	0.35
8"	3 (VT)	70 - 224	1 - 8	240 - 384	9 - 16	260	N/A	N/A
10"	1 (HZ)	109 - 355	4 - 11	375 - 600	12 - 15	430	27	0.35
10"	3 (VT)	109 - 339	1 - 9	363 - 545	10 - 18	400	N/A	N/A
12"	1 (HZ)	157 - 490	4 - 13	520 - 800	14 - 17	620	32	0.35
12"	3 (VT)	157 - 471	1 - 9	510 - 785	11 - 21	590	N/A	N/A
14"	1 (HZ)	214 - 665	5 - 16	690 - 1069	16 - 20	825	37	0.35
14"	3 (VT)	214 - 641	1 - 11	689 - 1069	13 - 25	800	N/A	N/A
16"	1 (HZ)	279 - 838	6 - 18	900 - 1396	18 - 23	1000	41	0.35
16"	3 (VT)	279 - 815	1 - 11	838 - 1396	12 - 28	980	N/A	N/A
18"	1 (HZ)	353 - 1060	7 - 20	1120 - 1767	20 - 26	1350	47	0.35
18"	3 (VT)	353 - 1031	1 - 12	1060 - 1679	13 - 30	1300	N/A	N/A

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Throw value ranges are given for isothermal conditions, unless otherwise noted, 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. Design spacing is recommended distance between diffusers in an open plan office based on ADPI > 80%, 9ft ceiling, and 55°F discharge at 30 NC and 0.6 CFM/sf. Minimum CFM/sf is based on recommended spacing at 80% ADPI. Design recommendations not applicable to vertical throw. "N/A" in design table denotes inapplicable situations or those which do not result in ADPI>80% and are therefore not recommended.