



## TURBULANCE DIFFUSER

### Performance Data

Qv(m <sup>3</sup> /n)	MODEL	FD 300	FD 400	FD 500	FD 600	FD 625
180	NR	35				
	Pt (Pa)	18,0				
	V (m/s)	0,11				
200	NR	35	18			
	Pt (Pa)	32,0	10,0			
	V (m/s)	0,12	0,10			
250	NR	40	20	15		
	Pt (Pa)	49,0	16,0	8,0		
	V (m/s)	0,16	0,11	0,10		
280	NR	45	25	20		
	Pt (Pa)	62,0	20,0	10,0		
	V (m/s)	0,19	0,12	0,10		
300	NR	45	30	20	20	20
	Pt (Pa)	70,0	23,0	11,0	6,0	6,0
	V (m/s)	0,20	0,13	0,11	0,10	0,10
350	NR	50	35	25	25	25
	Pt (Pa)	95,0	31,0	15,0	9,0	9,0
	V (m/s)	0,25	0,16	0,13	0,12	0,12
380	NR		35	30	25	25
	Pt (Pa)		37,0	18,0	10,0	10,0
	V (m/s)		0,18	0,14	0,13	0,13
400	NR			30	30	30
	Pt (Pa)			20,0	11,0	11,0
	V (m/s)			0,15	0,14	0,14
450	NR			35	30	30
	Pt (Pa)			25,0	14,0	14,0
	V (m/s)			0,17	0,16	0,16
480	NR			35	30	30
	Pt (Pa)			29,0	16,0	16,0
	V (m/s)			0,15	0,18	0,18
500	NR			35	35	35
	Pt (Pa)			31,0	17,0	17,0
	V (m/s)			0,20	0,19	0,19
550	NR				35	35
	Pt (Pa)				21,0	21,0
	V (m/s)				0,21	0,21
580	NR				35	35
	Pt (Pa)				23,0	23,0
	V (m/s)				0,22	0,22

#### SELECTION CRITERIAS

$L=L_t+H_1$   
 $H_1=1,2mt$   
 Wall Effect

#### EFFECTIVE AREA Ak(m<sup>2</sup>)

MODEL	300	400	500	600/625
Ak (m <sup>2</sup> )	0.00884	0.00180	0.0251	0.0295

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