

Basic information and nomenclature

RFD



- Adjustment Data for AKV-RFD-ZHR supply air diffusers

Adjustment Data for AKV-RFD-ZHR supply air diffusers



Measured using the internal diaphragm

Nominal Size	Spigot Diameter		Plenum Diameter	K factor
	ØD [mm]			
125	98	269	269	4.6
125	123	269	269	4.7
125	158	269	269	4.9
125	198	367	367	4.9
125	248	367	367	4.9
160	123	269	269	8
160	158	269	269	8.3
160	198	367	367	8.3
160	248	367	367	8.4
200	158	269	269	12.7
200	198	367	367	12.8
200	248	367	367	13.1
200	248	462	462	13.1
200	313	462	462	13.2
250	198	367	367	18.9
250	248	367	367	19.5
250	248	462	462	19.4
250	313	462	462	19.7
315	198	367	367	27
315	248	367	367	28.1
315	248	426	426	28.3
315	313	426	426	28.7
400	248	426	426	37
400	313	426	426	37.6



K-FACTORS FOR MEASUREMENT AND ADJUSTMENT OF AIR VOLUME FLOW

Airflow:

$$[l/s] = k \times \sqrt{\Delta Pi [Pa]}$$

Measurement pressure for desired airflow:

$$\Delta Pi [Pa] = \left(\frac{q(l/s)}{k}\right)^2$$