

Supply & Exhaust Disc Valves

Introduction

KMC Supply and Exhaust disc valves are utilized where the control of supply or Exhaust air volume flow rate is the primary consideration.

These valves offer considerable cost advantage over conventional grilles and diffusers without compromising performance or aesthetics.

Ease of adjustments, maintenance and cleaning are also prominent features of these valves.

Application

- Type KDV disc valves are suitable for all types of ventilation systems. They have been designed for systems handling relatively low air volumes.
- Depending on the application, different constructions for supply (Model KSDV) and extract air (Model KEDV)
- By rotating the central disc, the air volume flow rate can be changed.

Construction

- This disc valves consist of the valve ring and central disc. To guarantee a perfect seat, the valve ring is fitted with a peripheral sealing strip.
- The air volume flow rate is adjusted by rotating the central disc which alters the size of the gap. The central disc is held in position with a locknut.

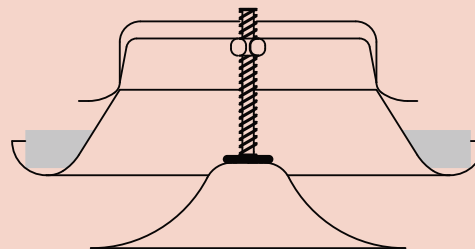
Material

- Face sections made of sheet steel and powder coated to RAL 9010, as standard

Selection Procedure

Selections can be made by means of a straight read-off from the "Performance Data" for the selected model.

- Determine the Air flow rate per outlet.
- Select the unit based on required Air flow rate against the allowable sound level requirements.



OPERATING RANGE							
AIR VOLUME (SUPPLY) - (CMH)				AIR VOLUME (EXHAUST) - (CMH)			
Available Sizes	Noise Criteria			Available Sizes	Noise Criteria		
	<25	>25	35		<25	>25	35
mm				mm			
100	26	28	40	100	60	62	85
150	100	105	140	150	140	145	220
200	90	100	118	200	245	250	350

Air volume in m³/h

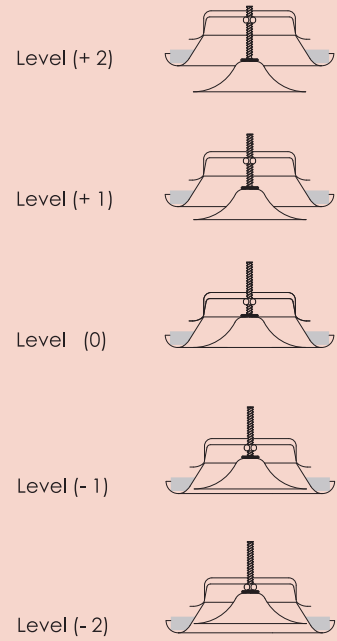
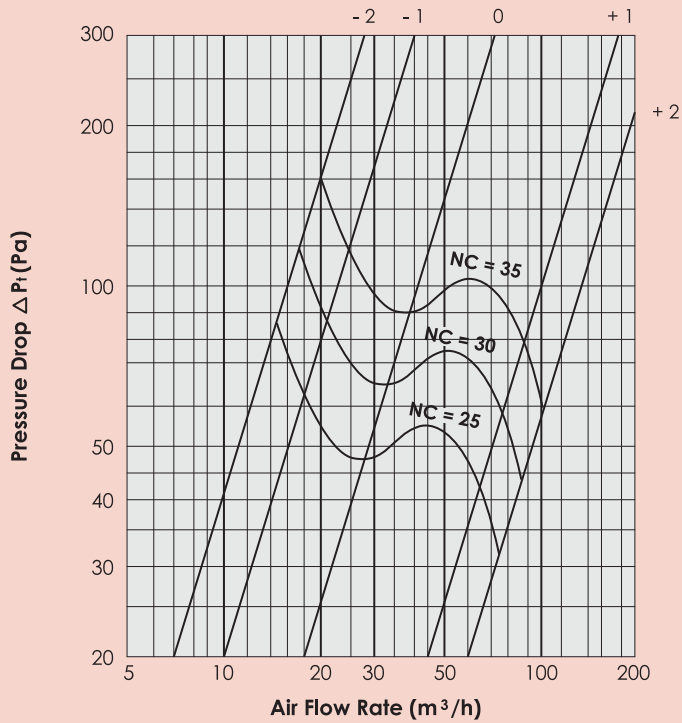
Selection based on "o" position

Product Selection Check List

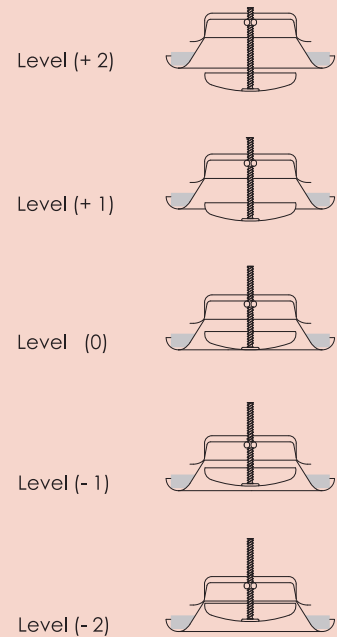
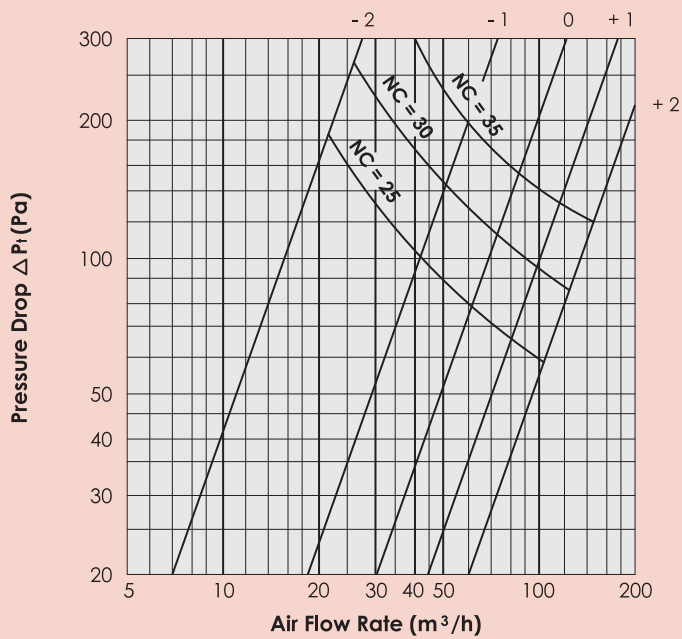
- Select unit size based on desired performance characteristics.
- Select Finish

Supply & Exhaust Disc Valves

Model KSDV - 100mm

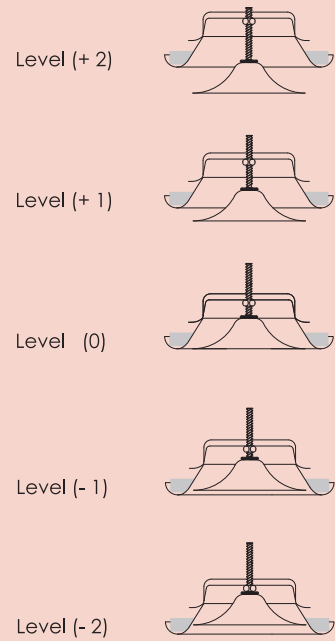
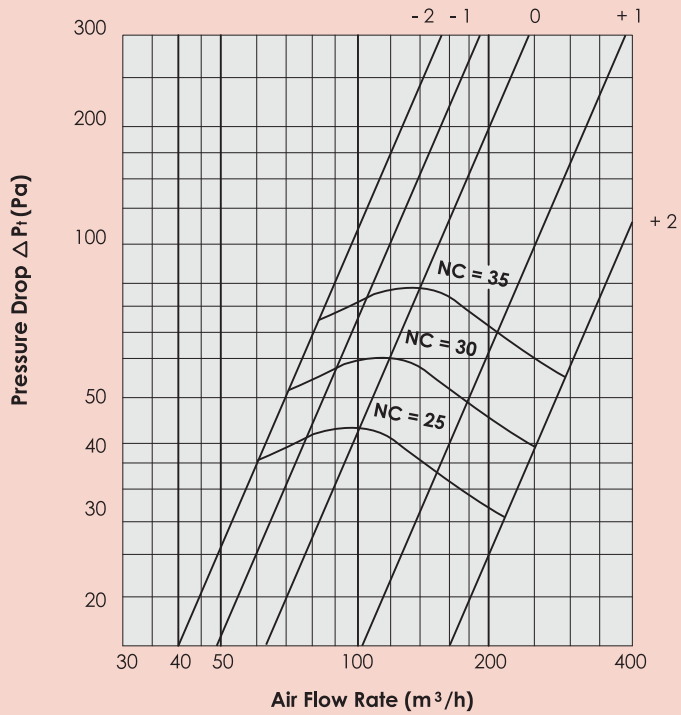


Model KEDV - 100mm

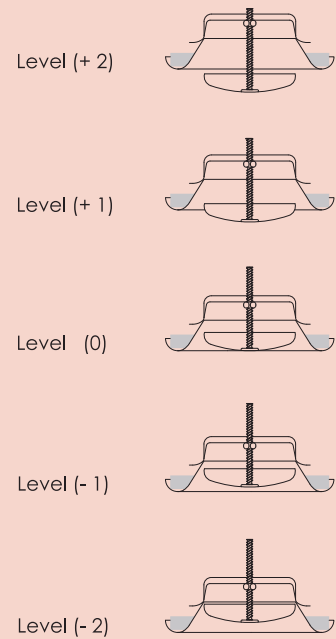
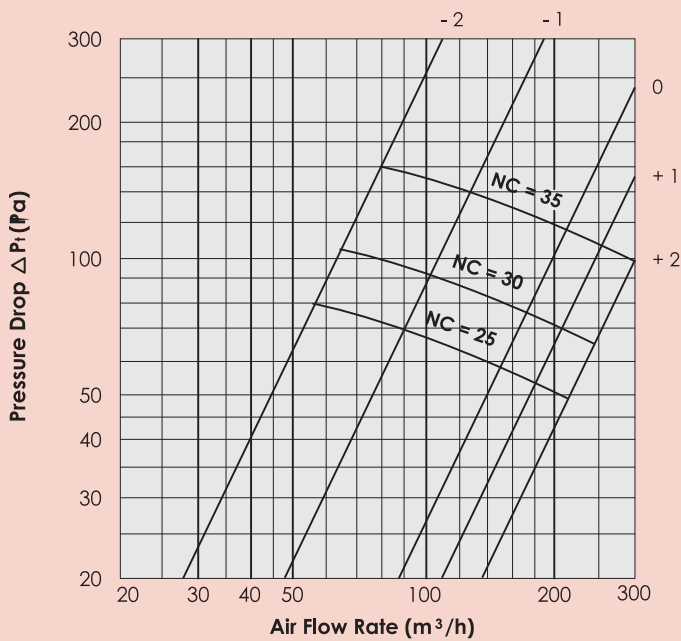


Supply & Exhaust Disc Valves

Model KSDV - 150mm



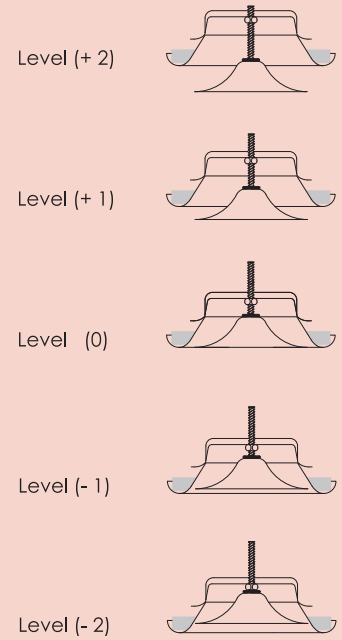
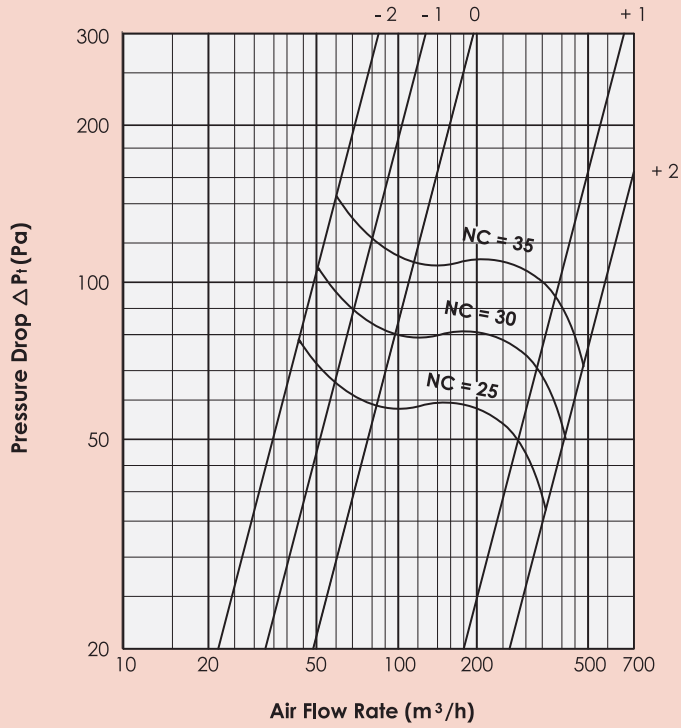
Model KEDV - 150mm



*In the interest of product development, KMC reserves the right to make changes without notice.

Supply & Exhaust Disc Valves

Model KSDV - 200mm



Model KEDV - 200mm

