Pressure control valve



Application

KRD excess pressure relief valves are used in smoke protection, ventilation and air conditioning systems to regulate the pressure difference between adjacent rooms.

The product meets the requirements of DSTU EN 121101-6:2016 "Smoke protection systems. Part 6: Technical requirements for pressure difference systems" (EN 12101-6:2005, IDT; EN 12101-6:2005/ AC:2006, IDT).

Design

KRD pressure control valve is made of galvanised steel with a rectangular cross-section.

The product is available with two flanges for direct connection to air ducts or with a single flange for installation in a wall.

The valve can only be mounted in a vertical position and all the axes of the working plates (blades) must be placed horizontally.

A spring mechanism located on the front side of the product acts as the adjustment element.

Adjustment takes place during the commissioning of the smoke ventilation system and is performed directly by compressing the operating spring until the required trigger pressure is reached.

The pressure control range is 20-150 Pa.

There are no requirements for thermal conductivity or leakage class.

Designation key

KRD-X-XxX | Height [mm] Width [mm] Number of flanges 1 - one 2 - two Series

KRD – pressure control valve



Overall and connecting dimensions

 $Connecting \ and \ overall \ dimensions \ of the \ standard \ range \ of \ valves \ are \ shown \ in \ the \ table \ below. \ Valves \ in \ other \ sizes \ can \ be \ made \ upon \ request.$

One flange model	Two flange model	В	B1	B2	н	Н1	H2	L
KRD-1-200x300	KRD-2-200x300	200	220	240	300	320	340	
KRD-1-300x175	KRD-2-300x175	300	320	340	175	195	215	
KRD-1-300x300	KRD-2-300x300	300	320	340	300	320	340	
KRD-1-425x425	KRD-2-425x425	425	445	465	425	445	465	
KRD-1-550x550	KRD-2-550x550	550	580	610	550	580	610	100
KRD-1-600x175	KRD-2-600x175	600	620	640	175	195	215	100
KRD-1-675x675	KRD-2-675x675	675	705	735	675	705	735	
KRD-1-700x300	KRD-2-700x300	700	720	740	300	320	340	
KRD-1-800x650	KRD-2-800x650	800	830	860	650	680	710	
KRD-1-800x800	KRD-2-800x800	800	830	860	800	830	860	

