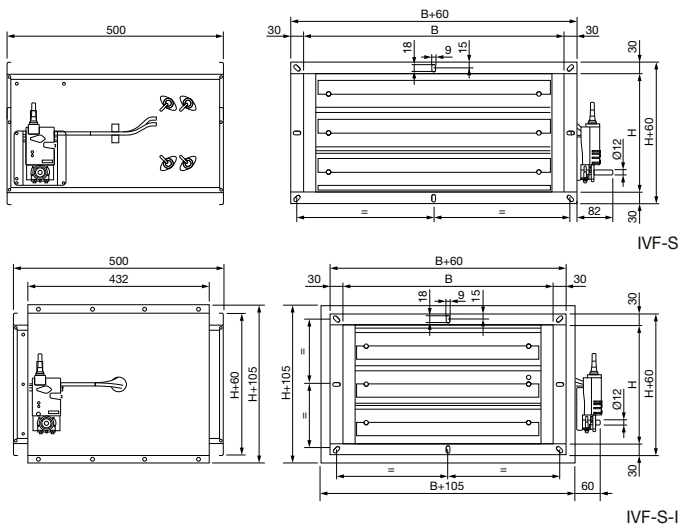


IVF-S Varioflow® – variable flow controller

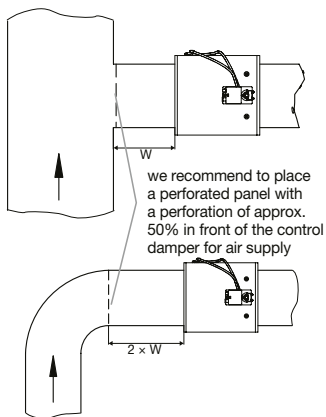


Technical parameters

The IVF-S control damper for square pipe with built-in control consists of a tight damper, actuator and measuring device. The input data is compared with a reference signal and then the actuator adjusts the damper setting.

- for controlling supply and exhaust air in ventilation systems
- can be controlled by temperature, air quality, pressure, etc. sensors
- IVF-S-I – version with external insulation
- standard version analogue input 0–10 V, actuator reconfiguration via the Belimo Assistant mobile app using NFC communication

Additional illustration



H [mm] ↓ → B [mm]	110		210		310		410		510		610	
	Qmin	Qmax	Qmin	Qmax	Qmin	Qmax	Qmin	Qmax	Qmin	Qmax	Qmin	Qmax
200	160	950	300	1800	445	2700	590	3550	735	4400	880	5250
250	200	1200	380	2250	560	3350	740	4450	920	5500	1100	6600
300	240	1450	455	2500	670	4000	885	5300	1100	6600	1320	7900
350	275	1650	530	3200	780	4700	1035	6200	1285	7700	1535	9200
400	315	1900	605	3650	895	5350	1180	7100	1470	8800	1755	10550
450	355	2150	680	4100	1005	6050	1330	7950	1650	9900	1975	11850
500	395	2400	755	4550	1115	6700	1475	8850	1835	11000	2195	13200
550	435	2600	830	5000	1230	7350	1625	9750	2020	12100	2415	14500
600	475	2850	905	5450	1340	8050	1770	10650	2205	13200	2635	15800
650	515	3100	985	5900	1450	8700	1920	11500	2385	14300		
700	555	3350	1060	6350	1560	9350	2065	12400	2570	15400		
750	595	3550	1135	6800	1675	10050	2215	13300	2755	16500		
800	635	3800	1210	7250	1785	10700	2360	14150	2940	17650		
850	375	4050	1285	7700	1895	11400	2510	10050				
900	715	4300	1360	8150	2010	12050	2655	15950				
950	750	4500	1435	8600	2120	12700	2805	16850				
1000	790	4750	1510	9050	2230	13400	2950	17700				
1050	830	5000	1590	9550	2345	14050						
1100	870	5250	1665	10000	2455	14750						
1150	910	5450	1740	10450	2565	15400						
1200	950	5700	1815	10900	2680	16050						

The measurement uncertainty is 22% at 2 m/s and 4% at 12 m/s.

Belimo LMV-D3-MP actuator (5 Nm) or Belimo NMV-D3-MP actuator (10 Nm) depending on the size of the constant flow controller.