

MODEL LFE Series**FEATURES**

THE MODEL LFE SERIES LAMINAR AIR FLOW ELEMENTS MEASURE THE VOLUMETRIC FLOW RATE. AND ARE CONFIGURED TO INTERNALLY EMBED CAPILLARY TUBES. THE PRINCIPLE OF MEASUREMENT IS THAT THE PRESSURE (PRESSURE LOSS) AT WHICH FLUIDS PASS THRU THE CAPILLARY TUBES IS PROPORTIONAL TO THE VOLUMETRIC FLOW RATE.

THE FLOW RATE IS MEASURED BY A DIFFERENTIAL MANOMETER WHICH MEASURES THE PRESSURE DROP ACROSS THE INLET AND OUTLET OF THE CAPILLARY TUBES AS THE DIFFERENTIAL PRESSURE..

BETTER ACCURACY ($\pm 1\%$ FS AT RATED FLOW RATE RANGE)

WIDE RANGE OF MEASUREMENT

LOW PRESSURE DROP AND SMALL ERROR IN PULSATION FLOW

GOOD RESPONSE

MEASUREMENT IN VERY LOW FLOW

MODEL	RATED FLOW MEASURING RANGE	MAX. FLOW MEASURING RANGE	CONNECTION PORT
LFE - 10 CCM - 20 CCM - 50 CCM -100 CCM -200 CCM -500 CCM	0 ~ 10 (ml/min) 20 50 100 200 500	0 ~ 15 (ml/min) 30 75 150 300 750	Rc 1/4
LFE -1LMS - 2LMS - 5LMS - 10 LMS	0 ~ 1 (L/min) 2 5 10	0 ~ 1.5 (L/min) 3 7 15	Rc 1/4 Rc 1/2 Rc 1/2 Rc 1/2
LFE -27LM -40LM -60LM -100LM -150LM -200LM -270LM -400LM -1000LM	0 ~ 27 (L/min) 40 60 100 150 200 270 400 1000	0 ~ 40 (L/min) 60 90 150 225 300 405 600 1500	(OPTION) Rc 3/8 Rc 3/8 Rc 3/8 Rc 1/2 Rc 1/2 Rc 3/4 Rc 3/4 25 38
LFE -10B -25B -50B -75B -100B -150B -200B -250B -300B -350B -500B	0 ~ 10 (L/sec) 25 50 75 100 150 200 250 300 350 500	0 ~ 15 (L/sec) 37 75 110 150 225 300 375 450 525 750	32 38 51 76.5 90 103 127 127 127 152 152

EACH MODEL: DIFF. PRESS. 0.65 kPa AT RATED FLOW RATE AND 1kPa AT MAX. FLOW RATE>
 10CCM ~ 10LMS: PRESS-PROOF w/O-RING: OPERABLE UP TO 0.2MPa (APPROX.).
 SPECIAL DUCTS AVAILABLE FOR UP / DOWN STREAM APPLICATIONS.

OTHER OPTIONS: AIR CLEANERS			
MODEL	LAMINAR FLOW ELEMENTS	O.D (mm)	THICKNESS (mm)
AF-1	LFE-400LM ~ LFE-25B	205	APPROX. 95
AF-2	LFE-50B ~ LFE-100B	265	APPROX. 135
AF-3	LFE-150B ~ LFE-200B	362	APPROX. 250

CONSULT TSUKASA SOKKEN FOR AIR CLEANERS (AIR CLEANERS AVAILABLE FOR LFE-270LM AND SMALLER).

THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE.

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