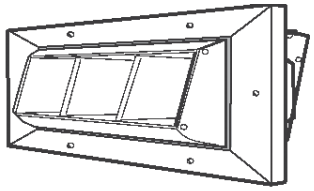
DRUM LOUVRE - DRL



DESCRIPTION & FEATURES

Drum louvres (DRL) are specially designed for installation in cooling, heating and ventilation applications and deliver air with an extremely long throw. More or less diffusion, with a resulting change in throw can be obtained by adjusting the louvre vanes. The combined design and performance make them ideally suited for installation in large enclosures. They are engineered to provide both horizontal and vertical control of the air stream. Control of length of throw and its direction is made possible by the adjustable drum and vane design, available only in these units. They are suitable for installation in a wide range of applications such as industrial plants, airport terminals, gymnasiums, arenas, power stations, vehicle assembly lines, supermarkets, swimming pools, theatres etc.

Drum louvres can be mounted in either a horizontal or vertical position without affecting the distribution of air from the outlet. This feature offers the architect, consultant and engineer unlimited application possibilities.

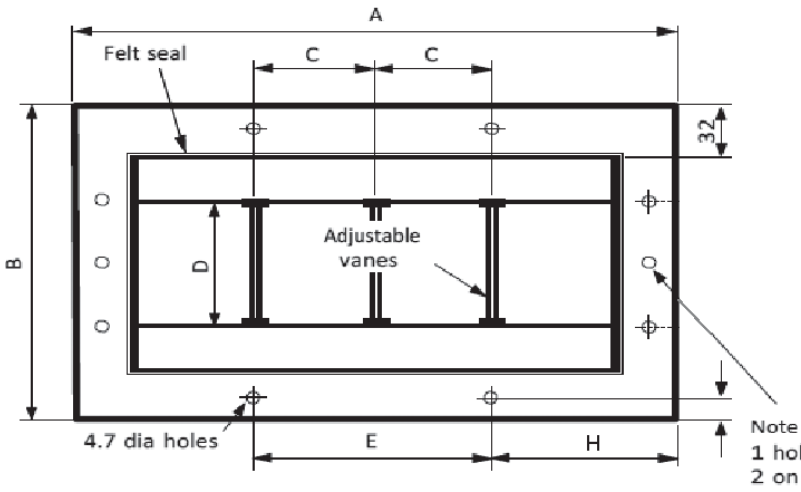
DRL ORDERING CODE (DIFFUSER)	
Series	**DRL**
Access	**OB** - Opposed Blade Damper **VC** - Volume Controller **OV** - Damper & Volume Controller **0** - Not applicable
Fixing	**F0** - No fixings **F1** - CSK Flange Fixing Holes
Finish	**1** - (Mill Finish) **2** - RAL9006 (Silver/Grey) **3** - RAL9010 (White) **4** - RAL9005 (Black) **5** - RAL9003 (White) **6** - RAL9016 (White) **7** - Other RAL/BS Code (additional costs may apply) **8** - Chrome Finish - Powder Coated
Notes	Drum Louvres can also be manufactured from variousgrades of Stainless Steel, please contact Sales Office.
Example: **DRL/OB/F1/1/Model Size**	

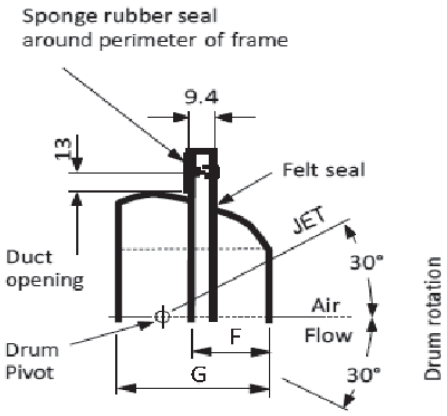
DRL TYPICAL APPLICATIONS

- Airport Terminals
- Sports Complexes
- Power Stations
- Vehicle Assembly Areas
- Railway Stations
- Supermarkets
- Swimming Pools
- Offshore Rigs
- Theatres
- Shopping Precincts
- Warehouses
- Exhibition Halls
- Engine Rooms

DRUM LOUVRE - DRL

DRL DIMENSIONS (DIFFUSER)



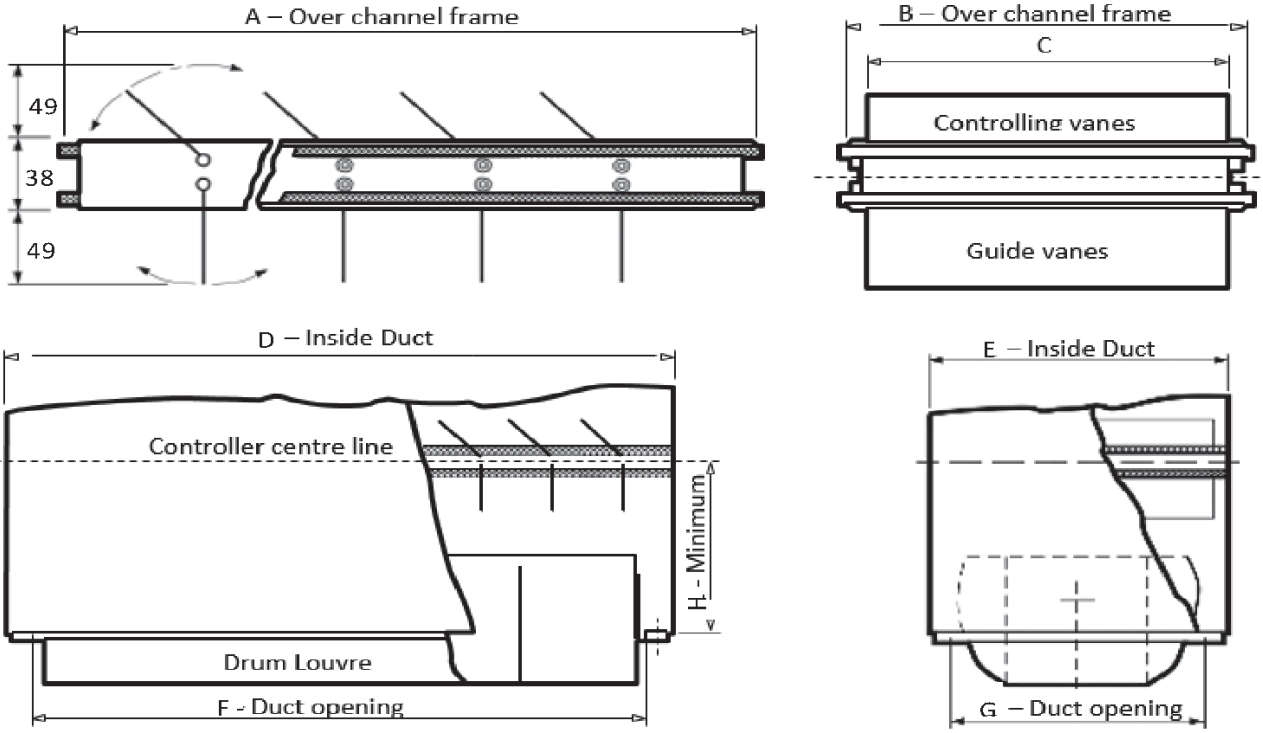


DRL

SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	DUCT OPENING (mm)
6/9	297	208	76	86	152	42	122	72	246x157
6/12	373	208	76	86	152	42	122	110	322x157
6/18	525	208	76	86	152	42	122	110	475x157
6/24	678	208	76	86	152	42	122	110	627x157
10/20	576	303	127	149	127	62	152	161	526x259
10/25	703	303	127	149	127	62	152	161	653x259
10/30	830	303	127	149	127	62	152	161	780x259
10/35	957	303	127	149	127	62	152	161	907x259

DRUM LOUVRE - DRL

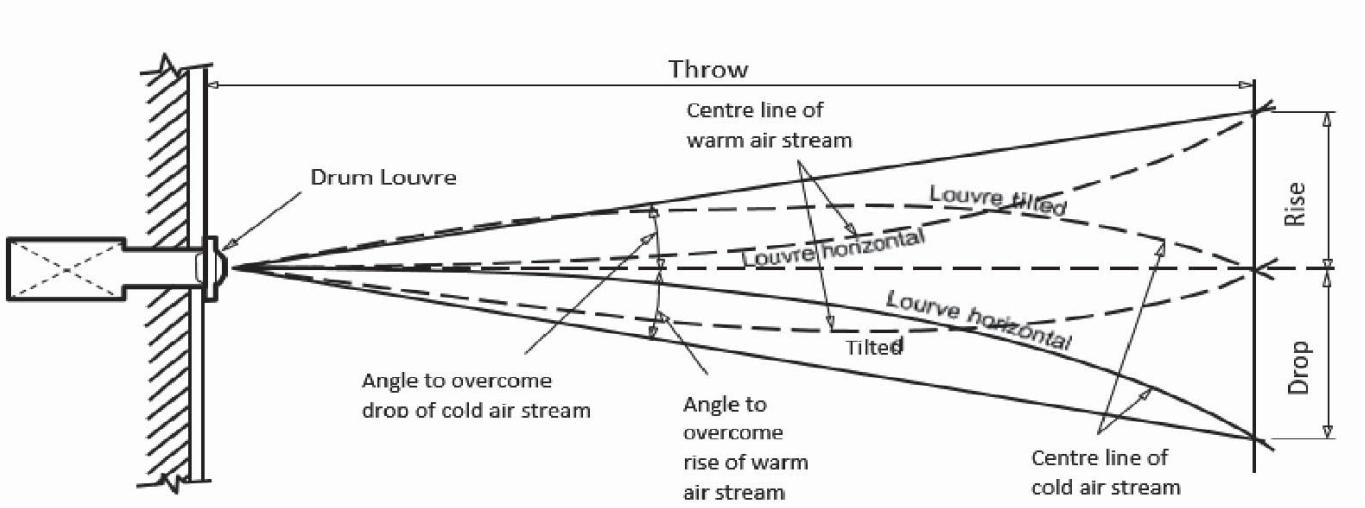
DRL DIMENSIONS (VOLUME CONTROLLER)



SIZE	TOTAL NUMBER OF VANES	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
6/9	6	305	216	195	310	221	246	157	159
6/12	8	381	216	195	386	221	322	157	159
6/18	12	533	216	195	538	221	475	157	159
6/24	16	686	216	195	691	221	627	157	159
10/20	14	584	311	291	589	316	525	259	210
10/25	18	711	311	291	716	316	652	259	210
10/30	20	838	311	291	843	316	779	259	210
10/35	24	965	311	291	970	316	906	259	210

DRUM LOUVRE - DRL

DRL PERFORMANCE DATA



MODEL SIZE	AIR VOL (l/s)	50	75	100	125	150	175	200	250	300	500	750	1000	1250	1500	2000
6/9	THROW (m)	4.5	6.0	9.0	10.5	11.8	15.0	17.0	19.0							
	P.DROP (Pa)	7	14	25	35	45	63	83	125							
	NOISE (NC)	/	/	/	20	22	26	28	35							
6/12	THROW (m)	3.0	5.5	7.2	8.7	12.0	14.0	15.0	18.0	19.5						
	P.DROP (Pa)	5	5	11	18	24	30	40	63	90						
	NOISE (NC)	/	/	/	/	/	20	23	28	31						
6/18	THROW (m)		4.5	6.0	8.5	10.0	11.5	12.0	15.0	17.5	22.0					
	P.DROP (Pa)		5	5	8	11	15	20	30	43	138					
	NOISE (NC)		/	/	/	/	/	/	21	25	37					
6/24	THROW (m)		3.2	5.8	6.5	8.0	9.5	11.0	12.5	15.5	21.0					
	P.DROP (Pa)		5	5	5	5	7	10	16	23	70					
	NOISE (NC)		/	/	/	/	/	/	/	20	33					
10/20	THROW (m)			4.5	5.2	6.5	7.5	9.0	10.5	13.0	19.0	22.5	25.0			
	P.DROP (Pa)			5	5	5	5	7	10	14	35	73	120			
	NOISE (NC)			/	/	/	/	/	20	21	28	35	39			
10/25	THROW (m)					5.5	6.5	8.0	10.0	12.0	18.0	22.0	23.5	25.0		
	P.DROP (Pa)					5	5	5	7	10	25	50	84	130		
	NOISE (NC)					/	/	/	/	/	23	31	38	45		
10/30	THROW (m)					5.0	6.0	7.0	9.0	11.0	16.0	20.0	22.0	24.0	26.0	
	P.DROP (Pa)					5	5	5	5	7	18	38	63	85	130	
	NOISE (NC)					/	/	/	/	/	22	31	33	38	42	
10/35	THROW (m)							5.5	8.0	10.0	16.0	20.0	22.0	24.0	27.0	29.0
	P.DROP (Pa)							5	5	5	11	25	44	68	98	172
	NOISE (NC)							/	/	/	21	26	31	35	41	47

Performance data is based on a Terminal Velocity of 0.5m/s. Please contact Sales Office for full selections once temperature differential and room conditions are known.

Once full details are known, we are able to produce a full Technical Evaluati on including angular discharge corrections and rise & drop calculations.