

UNIMAZE performance data

AIR-FLOW VS. RESISTANCE Resistance (inches of water) at Rated CFM

Model No.	WIRE ELEMENTS (NB)								PAPER ELEMENTS (DM /DS)								SYNTHETIC ELEMENTS (DA)									
	MPT	1¼	1½	2	2½	3	3½	4	MPT	1	1¼	1½	2	2½	3	3½	4	MPT	1	1¼	1½	2	2½	3	3½	4
	CFM								CFM									CFM								
UM01	75	7.5	3.9	3.0					35	7.1	2.1	1.3						25	2.1	1.7	0.8					
UM02	100	11.2	7.1	6.9					50		3.5	2.5	2.5					N/A								
UM03	125	17.5	12.1	11.8	11.8				100		12.0	8.9	8.4	8.4				40		2.1	1.5	1.4				
UM04	175		11.1	6.6	4.0	1.8	1.9		150				5.2	3.4	1.6			70			4.1	1.1	0.7			
UM05	225			10.3	6.6	3.2	3.2		225					7.4	3.6	3.7		100				2.4	1.6	0.8	0.8	
UM07	300				9.7	5.5	5.4	5.4	300					12.6	6.2	5.9		140					2.6	1.5	1.5	
UM08	450					12.5	12.8	12.8	450						13.0	13.5	13.5	185						3.0	2.5	2.4
US10	25								25									20								
US15	45								45									30								
US20	100	8.7	7.0						100		9.3	7.4						50		2.3	1.9					
US30	165			7.1	4.0	3.6			165				7.0	3.9	3.7			70			3.6	2.0				
US40	240				6.2	3.8	4.0		240					6.6	4.5	4.8		110				2.3	1.4			
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filter silencer ATTENUATION TEST DATA

Filter Model	Filter Element	Pipe Size (inches)	Rated CFM	OCTAVE BAND INSERTION LOSS (dB)*					
				250	500	1000	2000	4000	8000
US10TNBGB	wire	¾	25	10	21	28	25	18	18
US10TDAGB	synth	¾	20	7	20	31	23	19	24
US15TNBGA	wire	1	45	12	22	33	16	12	20
US15TDAGA	synth	1	30	11	23	33	16	16	26
US20TNBGK	wire	1½	100	11	23	9	9	12	6
US20TDAGK	synth	1½	50	11	22	9	9	12	8
US20TDMGK	paper	1½	100	12	23	9	10	10	7
US20TNBGL	wire	2	165	18	20	9	9	9	9

UNIMAZE filter selection and parts list

Model No.	CFM Range	Base Size	Element Selection			Unit Height w/o Base	Diameter		Tops	Hoods	Base Trays	Stems
			Wire NB	Synthetic DA	Paper DM		w/Top	w/Hood				
UNIMAZE FILTER SERIES												
UM01	20-75	¾"	1NB-007	1DA-007	1DM-007	3.75"	3.56"	6.88"	1NB-001	1SPH-018	1NB-045	1NB-004
UM02	50-100	1"	2NB-007	N/A	2DM-007	4.25	4.06	6.88	2NB-001	1SPH-018	2NB-045	2NB-004
UM03	40-125	1¼"	3NB-007	3DA-007	3DM-007	4.75	4.56	6.88	3NB-001	1SPH-018	3NB-045	3NB-004
UM04	60-150	1½"	4NB-007	4DA-007	4DM-007	5.50	5.38	8.88	4NB-001	3SPH-018	4NB-045	4NB-004
UM05	100-225	2"	5NB-007	5DA-007	5DM-007	6.25	5.94	8.88	5NB-001	3SPH-018	5NB-045	5NB-004
UM07	140-300	2½"	7NB-007	7DA-007	7DM-007	7.12	7.31	11.88	7NB-001	5SPH-018	7NB-045	7NB-004
UM08	185-450	2½"	8NB-007	8DA-007	8DM-007	8.25	8.12	11.88	8NB-001	5SPH-018	8NB-045	8NB-004
UNIMAZE FILTER — SILENCER SERIES												
US10	20-25	¾"	10NB-007	10DA-007	10DM-007	4.25"	5.38"	6.56"	4NB-001	2SPH-018	S10-825*	—
US15	30-45	1"	15NB-007	15DA-007	15DM-007	6.38	5.38	6.56	4NB-001	2SPH-018	S15-825*	—
US20	50-100	1¼"	20NB-007	20DA-007	20DM-007	8.69	6.56	8.44	20T-800	20H-800	S20-825	20B-004
US30	70-165	2"	30NB-007	30DA-007	30DM-007	9.38	7.62	11.31	30T-800	30H-800	S30-825	30B-004
US40	110-240	2½"	40NB-007	40DA-007	40DM-007	11.62	8.12	14.88	40T-800	50H-800	S40-825	40B-004
US50	165-350	3"	50NB-007	50DA-007	50DM-007	12.81	10.12	14.88	50T-800	50H-800	S50-825	50B-004
*Suffix 825=Silencer Body/Base Assembly												
UNIMAZE FILTER — LOW PROFILE SERIES												
UD62	50	¾"	N/A	62DS-007**	62DM-007	2.19"	5.94"	8.44"	5NB-001	4SPH-018	6NB-045	6NB-004
UD63	95	1"	N/A	63DS-007	63DM-007	3.44	5.94	8.44	5NB-001	4SPH-018	6NB-045	1NB-004
UD83	150	1¼"	N/A	83DS-007	83DM-007	3.19	8.12	11.31	8NB-001	6SPH-018	8NB-045	1NB-004
UD84	225	1½"	N/A	84DS-007	84DM-007	4.44	8.12	11.31	8NB-001	6SPH-018	8NB-045	3NB-004
UD94	300	2"	N/A	94DS-007	94DM-007	3.94	10.12	14.56	9NB-001	8SPH-018	9NB-045	2NB-004
UD95	450	2½"	N/A	95DS-007	95DM-007	5.56	10.12	14.88	9NB-001	7SPH-018	9NB-045	5NB-004
**DS=Paper Element with foam safety liner.												
BASE CONNECTOR SELECTION AND CODES												
MPT	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	UM O 3 H N B G L — Part Number 1 2 3 4 5 6 7 8 9 10 Position (10 digits) Color Choice (standard black) Base connector size Wire element construction (use DA for synthetic or DM for paper) Weatherhood (use T for top) Model size Filter model designation		
CODE	GB	GA	GJ	GK	GL	GM	GN	GE	GS			
Selection UM01, UM02, UM03, UM62 & UD63:						Gasket No. 12B-006						
P/N	12PGB	12PGA	12PGJ	12PGK	12PGL	12PGM						
Sel. for UM04 to UM08, US20 to US50, UD83 to UD95:						Gasket No. 71B-006						
P/N		71PGA	71PGJ	71PGK	71PGL	71PGM	71PGN	71PGE	71PGS			
Wing Nut — P/N 20515 Seal Washer — P/N 22852												