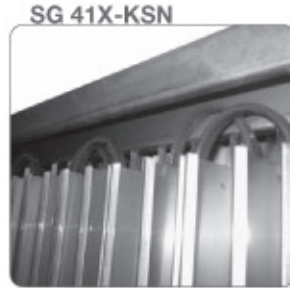


Filtration



Description

SG 40: Drop separators pitch 40 mm in galvanised steel

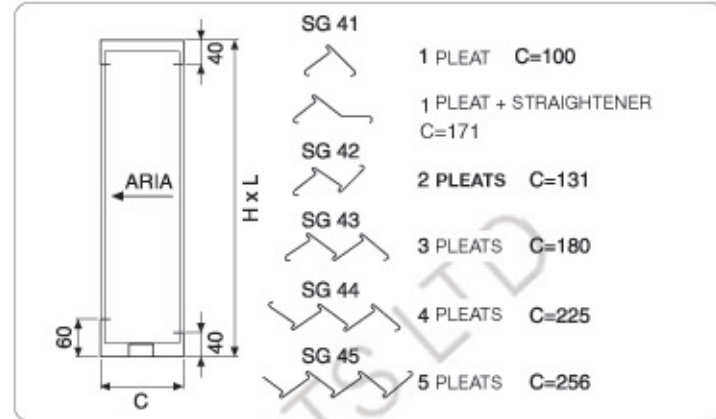
- execution: galvanised steel frame th. 15/10 mm
- galvanised steel blades th. 6/10 mm
- models with 1-5 pleats

SG 41 R: execution with 1 pleat and equaliser
SG 43 R: execution with 3 pleats and equaliser
SG40X: execution in AISI 304 stainless steel (list price x 3)
SG40XX: execution in AISI 316 stainless steel L (list price x 3.5)

Special executions

SG41R-KSN: with anti-freeze heating cables, for ATEX, SAFE zone;
 1000 W/m² power with 40 W/m cables and surface temperature of 10°C

SG 40 dimensions



Tests carried out on the following models

SG41R: efficiency and pressure drop according to EN 13030-2001 (removal of simulated rain) carried out at VTT
SG43R: pressure drop according to EN 13030-2001; efficiency for particles between 10 and 50 micron at VTT in collaboration with FMI (Finnish Meteorological Institute)

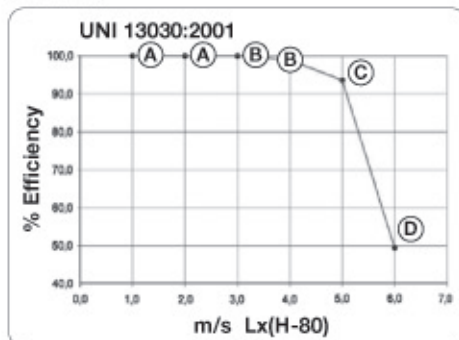
Drop size

	Micron	Particle diameter		Model tested
		2500	5000	
Heavy rain	Micron	2500	5000	-
Rain	Micron	500	2000	SG 41 R
Light rain	Micron	100	500	-
Wet mist	Micron	50	100	-
Damp mist	Micron	10	50	SG 43 R
Dry mist	Micron	2	10	SG 43 R

% Degree of efficiency / pressure drop for SG 43 R

Velocity (m/s)	Mist size in microns				Pressure drop (Pa)
	5	10	15	20	
1	5%	40%	80%	96%	17
2	12%	62%	90%	98%	71
3	28%	88%	99%	100%	153
4	53%	93%	99%	100%	280
5	70%	96%	100%	100%	428
6	75%	97%	100%	100%	615
Test method	DHES	FSSP	FSSP	FSSP	-

SG 41 R



EN 13030-2001 TEST REPORT No. VTT-S-00 582-11

CL	% EFFICIENCY
A	100 ÷ 99
B	98.9 ÷ 95
C	94.9 ÷ 80
D	LESS THAN 80

V (m/s)	0.5	1	1.5	2	2.5	3	3.5	4.2	5	5.9
Pst (Pa)	2	9	19	34	54	77	103	137	214	309

Velocity for B x (H-80mm)

Description

SGA 40: drop separators pitch 40 mm in aluminium

- execution: frame in peralluman aluminium alloy 5754 th. 20/10 mm
- blades in aluminium alloy 1050 th. 7/10 mm
- models with 1-5 pleats

SGA 41 R: execution with 1 pleat and equaliser
SGA 43 R: execution with 3 pleats and equaliser
SG40PA: execution ENTIRELY in peralluman with blades th. 1 mm (list price x 1.5)

Special executions

SGA41R-KSN: with anti-freeze heating cables, for ATEX, SAFE zone; 1000 W/m² power with 40 W/m cables and surface temperature of 10°C

Tests carried out on the following models

SGA41R: efficiency and pressure drop according to EN 13030-2001 (removal of simulated rain) carried out at VTT
SGA43R: pressure drop according to EN 13030-2001; efficiency for particles between 10 and 50 micron at VTT in collaboration with FMI (Finnish Meteorological Institute)

Description

SG 28: drop separators pitch 28 mm in galvanised steel

- version: galvanised steel frame th. 15/10 mm
- galvanised steel blades th. 6/10 mm
- models with 1-5 pleats

SG28X: execution in AISI 304 stainless steel (list price x 3)
SG28XX: execution in AISI 316 stainless steel L (list price x 3.5)

SG 28 dimensions

