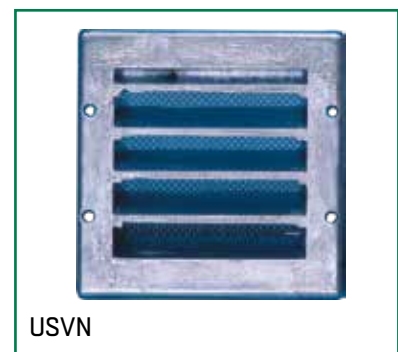
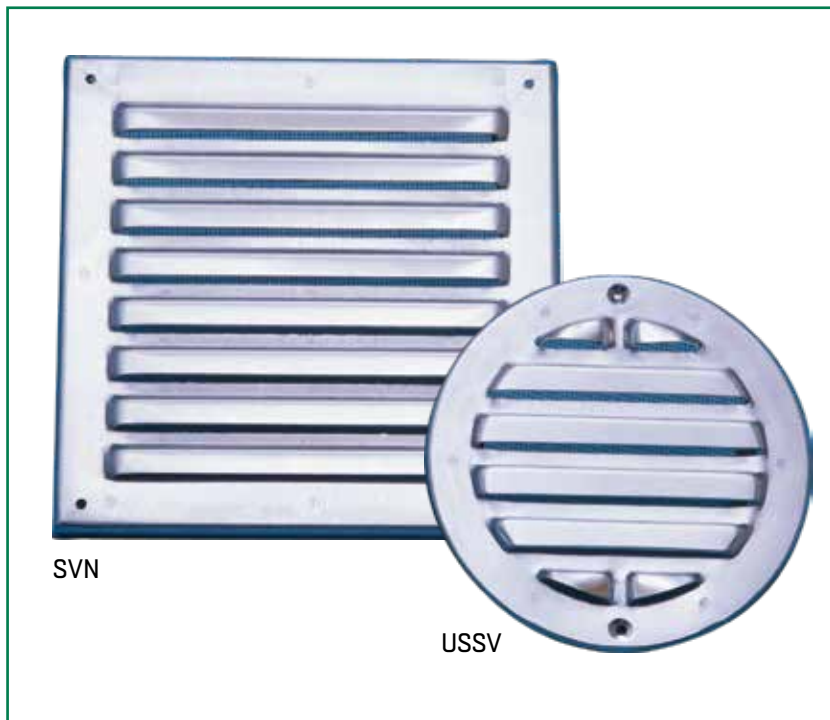


# External grilles USAV, USVN, USSV and SVN

TECHNICAL DATA





External grilles are used as covering grilles in air supply and exhaust openings. USAV and USVN are moulded of aluminium. USSV and SVN are deep drawn of aluminium or galvanized steel. The grilles are robust and suitable for various climate conditions.

#### PRODUCT DATA

USAV and USSV for circular openings  
USVN and SVN for rectangular openings

Easy to install

Equipped with insect screen

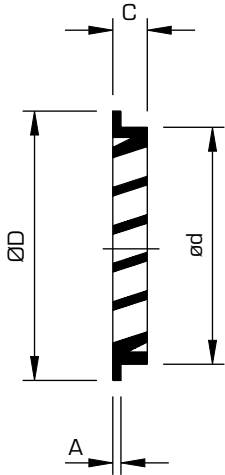
USAV-IV equipped with mesh with larger holes

#### PRODUCT CODE EXAMPLE

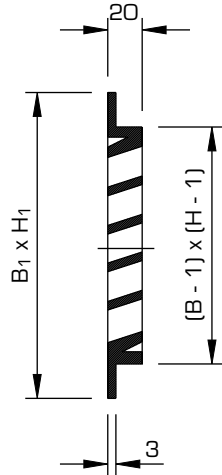
External grille, moulded  
USAV-125

### DIMENSIONS AND WEIGHTS

**USAV**



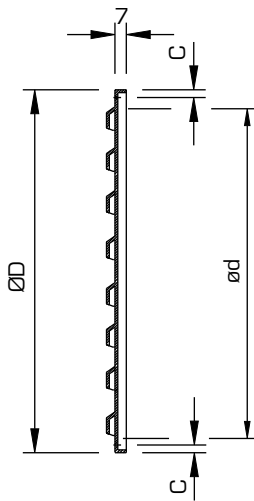
**USVN**



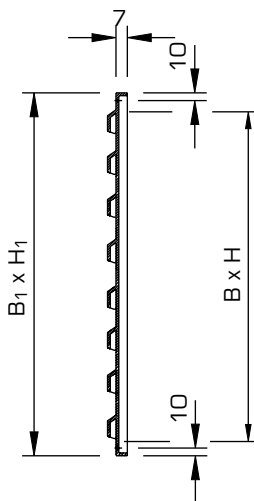
**USAV**

Size	ØD (mm)	ød (mm)	A (mm)	C (mm)	Weight (g)
50	65	49.5	3	20	38
63	78	62.5	3	20	67
70	86	69.5	3	20	75
80	99	79.5	3	20	81
100	132	99.5	3	25	165
125	152	124.5	3	25	235
150	181	149.5	3	25	360
160	189	159.5	3	25	410
200	231	199.5	3	25	490
250	278	249.5	3	28	740
315	355	314	4	25	1235
400	439	399	5	26	2182

**USSV**



**SVN**



**USVN**

Size B x H	B <sub>1</sub> x H <sub>1</sub> (mm)	Weight (g)
100 x 100	130 x 130	270
150 x 150	180 x 180	430
285 x 95	315 x 125	590
130 x 185	160 x 215	590
155 x 210	190 x 245	670

**USSV**

Size ød	ØD (mm)	C (mm)	Weight (g)	
			not painted	painted
50 - 80	102	8	32	96
100 - 125	147	9	63	194
150 - 160	185	8	99	297
200	243	12	163	488

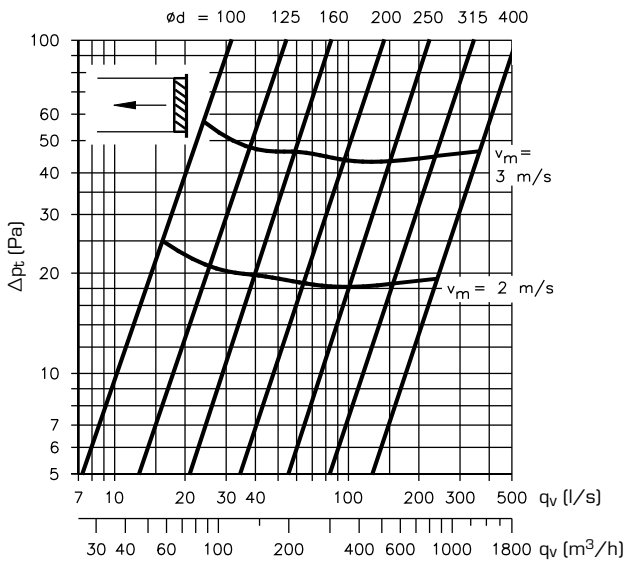
**SVN**

Size B x H	B <sub>1</sub> x H <sub>1</sub> (mm)	Weight (g)	
		not painted	painted
150 x 150	192 x 192	139	422
125 x 150	176 x 194	114	126*
150 x 175	193 x 224	138	156*
200 x 200	242 x 242	210	642

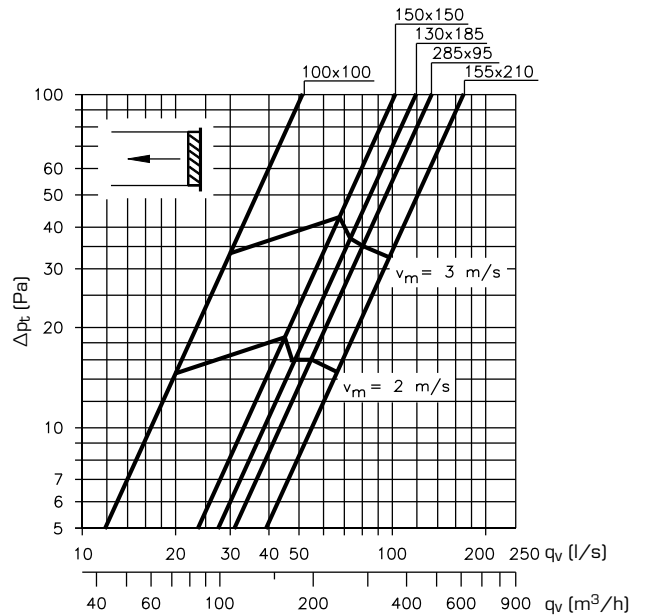
\* made of aluminium

### SELECTION DIAGRAMS

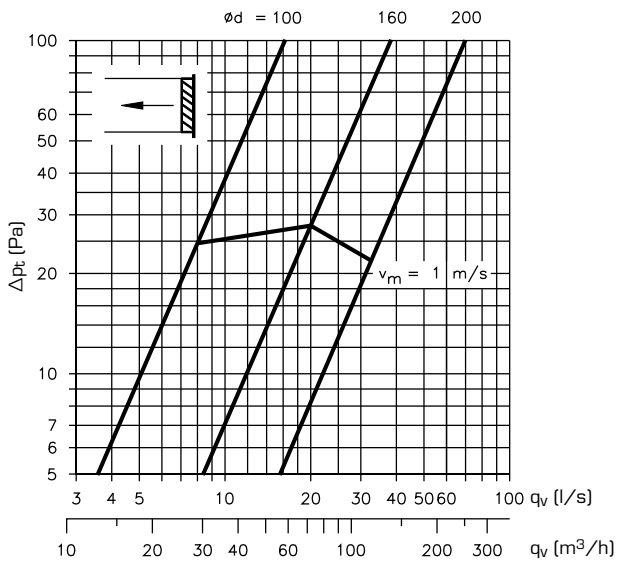
**USAV**



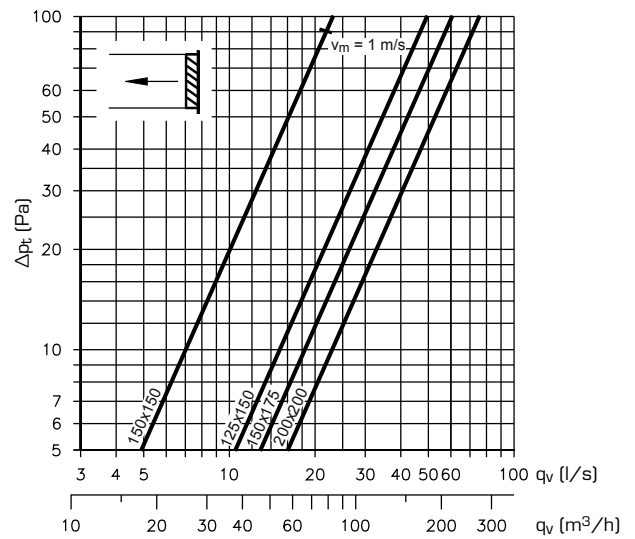
**USVN**



**USSV**



**SVN**



## GENERAL AND PRODUCT CODE

### APPLICATION

External grilles are used as covering grilles in air supply and exhaust openings. They are robust and suitable for various climate conditions.

### CONSTRUCTION

USAV and USVN are moulded of aluminium.

USSV and SVN are deep drawn of aluminium or galvanized steel (painted versions, except SVN sizes 125x150 and 150x175).

All external grilles are equipped with an insect screen. The insect screen is made of stainless steel (wire spacing 1.8 mm). With USAV insect screen has to be removed in mechanical ventilation or USAV-IV used instead. USAV-IV is equipped with a bird mesh (wire spacing 12.7 mm) and is available in sizes 100-315 mm.

For use in extreme climate conditions, such as salty ambient air, we recommend painted grille models (f.ex. USAV-125-E).

### INSTALLATION

USAV and USVN are installed by nails or by casting. USSV and SVN are installed with screws.

### SYMBOLS

$q_v$	air flow	(l/s, m <sup>3</sup> /h)
$\Delta p_t$	total pressure drop	(Pa)
$v_m$	average velocity in the duct	(m/s)
B	width	(mm)
H	height	(mm)

### PRODUCT CODE

**Round external grille, moulded** **USAV-aaa**

#### Size in mm (aaa)

Following markings are added to the code if needed:

E = special colour

IV = larger mesh for mechanical ventilation

**Round external grille, deep drawn** **USSV-aaa(-bbb)**

#### Size in mm (aaa-bbb)

Following markings are added to the code if needed:

W = painted in white

**Rectangular external grille, moulded** **USVN-aaa-bbb**

#### Width in mm (aaa)

#### Height in mm (bbb)

Following markings are added to the code if needed:

E = special colour

**Rectangular external grille, deep drawn** **SVN-aaa-bbb**

#### Width in mm (aaa)

#### Height in mm (bbb)

Following markings are added to the code if needed:

W = painted in white

## EXCELLENCE IN SOLUTIONS

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