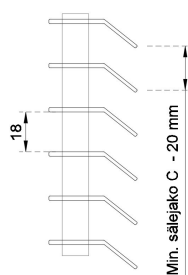
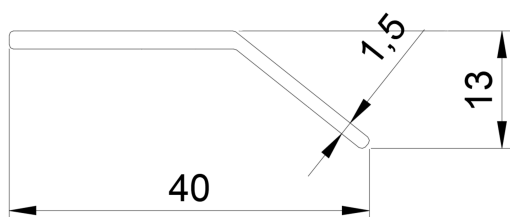


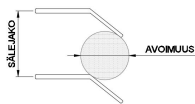
Alupro PSP

PS-5 (40) 1.5x40x13



VAPAA PINTA-ALA
Avoimuus / Sälejäko x 100%
= Vapaa pinta-ala

PS-säle 5
(1.5x40x13)



PS-5 1.5x40x13

VAKIO SÄLEJAKO

Sälejäko (mm)	10	15	18	20	25	30	35	40	45	50
Vapaa p.a. (%)	60	66	72	70	72	73	74	75	77	80
Paino (kg/m ²)	21.1	14.1	11.7	10.6	8.4	7	6	5.3	4.7	4.2

In Alupro PS-P louvers, the type and division of the louver is selected according to the application. The louver solution consists of louver modules assembled with pipes and equipped with guiding parts. Modules are delivered ready for installation. Large louver elements and louver fields can be delivered as a project installation. There are several different ways to frame the louver depending on the visual purpose. Framing can be implemented on individual elements or on the outer edges of the entire louver field. The appendix to the product card details the different framing options and installation methods.

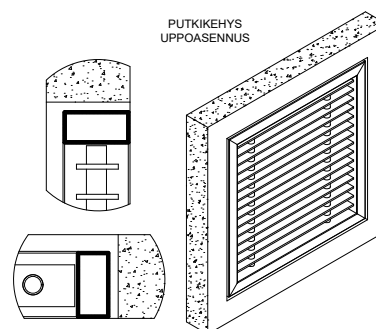
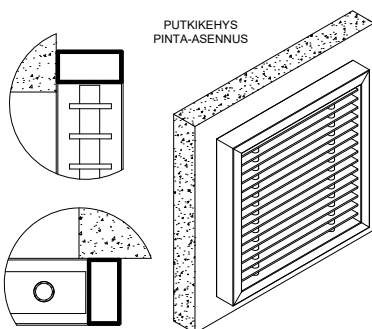
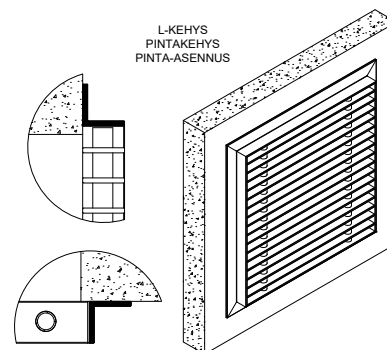
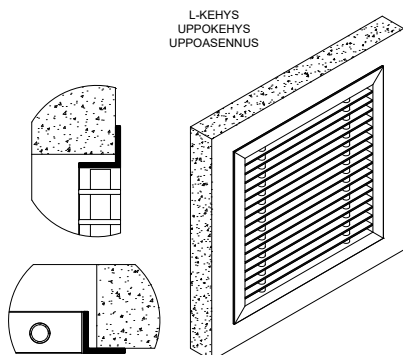
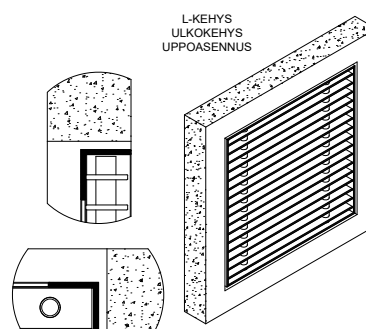
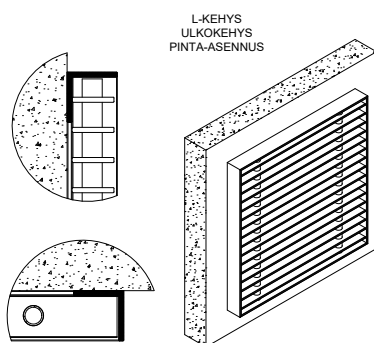
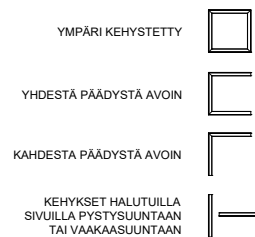
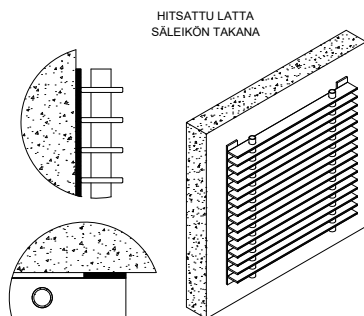
PS-P is used for example:• as protection for indoor ventilation openings and radiator ducts• as interior elements for both indoor and outdoor use• as a visor in rooms that you want to protect from outside prying eyes without obstructing the view from the inside out• as ceiling louver's for suspended ceilings. Standard PS-P louver's are made of extruded aluminium. Louvers can also be made from sheet metal. The sheet metal can also be brass, copper, or stainless steel on request. The maximum sizes of the one-piece grille (module) are as standard:• When the height is less than 200 mm, the width is up to 1500 mm• When the height is less than 500 mm, the width is up to 2000 mm• Maximum dimensions (h) 1400 X (l) 3000 mm. The assemblies of several modules are always manufactured with guide parts. This allows the louver division to remain uniform and the appearance of the assembly seamless. The modules also take into account for thermal expansion. Louvers are available with or without frames, depending on the needs of the application. The frames can also be equipped with mounting holes according to the specification. Louver modules can be produced with different shapes and slots to allow the use to expand to all kind of implementations. For example, a cylindrical louver is used for upholstering a curved surface and as an upholstery louver for an exhaust ventilation. Curved cover louver can also be installed in front of and / or around heaters or radiators or ventilation openings. Powder coating achieves a UV-protected, weather-resistant, long-lasting surface. We use all the shades of the RAL color chart. We can also treat the grilles with an anti-graffiti coating, making unwanted graffiti easy to remove and no need to repaint stubborn surfaces.

KEHYSTYYPIT / ASENNUS

Säleikön kehystäminen tapauskohtaisesti

PSP KK = kiinteä kehys (Vedetty/Hitsattu)

PSP EK = erillinen kehys



ASENNUS

LÄMPÖLIIKKEEN SALLIVA LIITOS

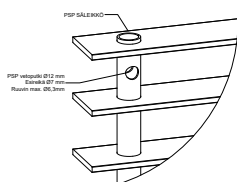
PSP-tuotteiden asennuksessa on otettava huomioon lämpötilan muutoksista aiheutuvat siirtymät eli lämpölaajeneminen. Lämpölaajeneminen tarkoittaa materiaalien tilavuuden kasvamista lämpötilan noustessa.

Pitkällä kappaleella lämpölaajenemisen aiheuttama pituuden muutos on varsin suuri. Tämän vuoksi lämpölaajeneminen täytyy ottaa huomioon PSP-suunnittelussa ja asennuksessa. Säleikköjen väliin jätetään riittävä väli, joka sallii profiilien lämpölaajenemisen.

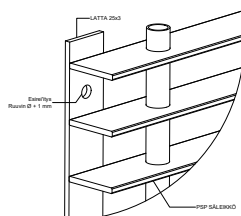
PSP-profiilin lämpölaajenemiskerroin on $24 \times 10^{-6} / K$.

Lämpötilan ollessa $70^{\circ}C$, 2000 mm profiilin pituus muuttuu 3,4 mm. Lämpölaajeneminen on otettava huomioon myös säleikköjen kiinnityksessä. Riittävä väli, esirei'itys tai "sokea" reikä ehkäisee lämpölaajenemisesta johtuvan profiilin tai ruuvien rikkoontumisen.

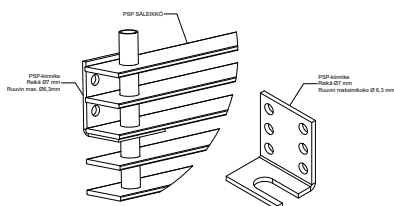
PSP VETOPUTKI



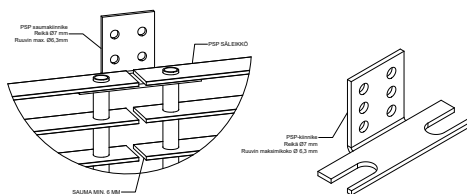
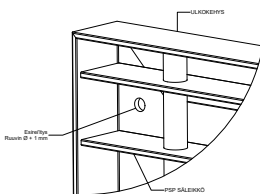
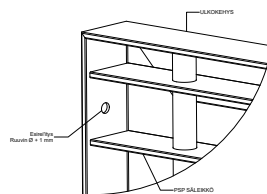
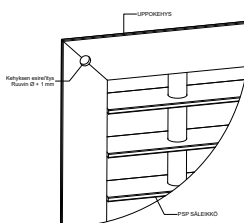
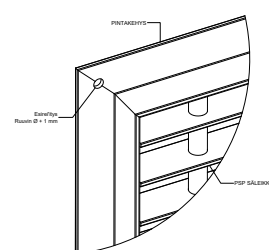
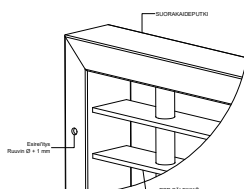
LATTA TAKANA



PSP KIINNIKE



PSP SAUMAKIINNIKE

L-KEHYS
ULKOKEHYS
TAKAKIINNITYSL-KEHYS
ULKOKEHYS
SIVUKIINNITYSL-KEHYS
UPPOKEHYSL-KEHYS
PINTAKEHYSPUTKIKEHYS
ETUKIINNITYSPUTKIKEHYS
SIVUKIINNITYS