

Ejectors AVAC 60 - 420 BVX

with integrated vacuum holding valve

- > 85% vacuum at 4 bar
- Compact
- Robust
- Low weight
- Quick response
- Controlled Rapid Release (RR)
- Low vacuum loss over holding valve
- Low opening pressure for blow off valve
- Connection for vacuum sensor
- Easy mounting
- > 95% air-saving potential
- Increased safety

Ejectors with an air consumption of 60-420 l / min, equipped with an integrated holding valve and a blow off valve. The holding valve's low spring force makes the vacuum loss very low.

Blow off valve opens at a pressure of 0.5 bar.

Our series BVX EJECTORS is best suited for lifting of glass, metal and other non-permeable material.

The vacuum holding valve in the vacuum port and the Blow Off Valve in the Rapid Release port, delays the loss of vacuum in the suction cup in case of a broken tube. This means that personnel can get to safety and the load can be moved to a safe place before the leakage between the object being lifted and the suction cup makes the level of vacuum to hold the object too low.

The blow off (Rapid Release) Blow Off Valve opens at 0.5 bars, which allows several BVX Ejectors to be attached to the same blow off impulse.

AIR SAVING AUTOMATIC FUNCTION

Dense material allows air savings > 95% in combination with appropriate control systems and a vacuum sensor.



DOUBLE SAFETY

The holding valve in the vacuum port prolongs time before the load is dropped due to pressure loss.

Blow off (Rapid Release) Blow Off Valve block, in case of broken tube, the blow off signal connection.

The Blow Off Valve opens at 0.5 bars and gives a distinct release signal.

A vacuum sensor connected to the device can monitor the vacuum level and ensure that the alarm is triggered at too low vacuum level.

Materials

Body	Black anodized aluminium
Nozzle	Brass

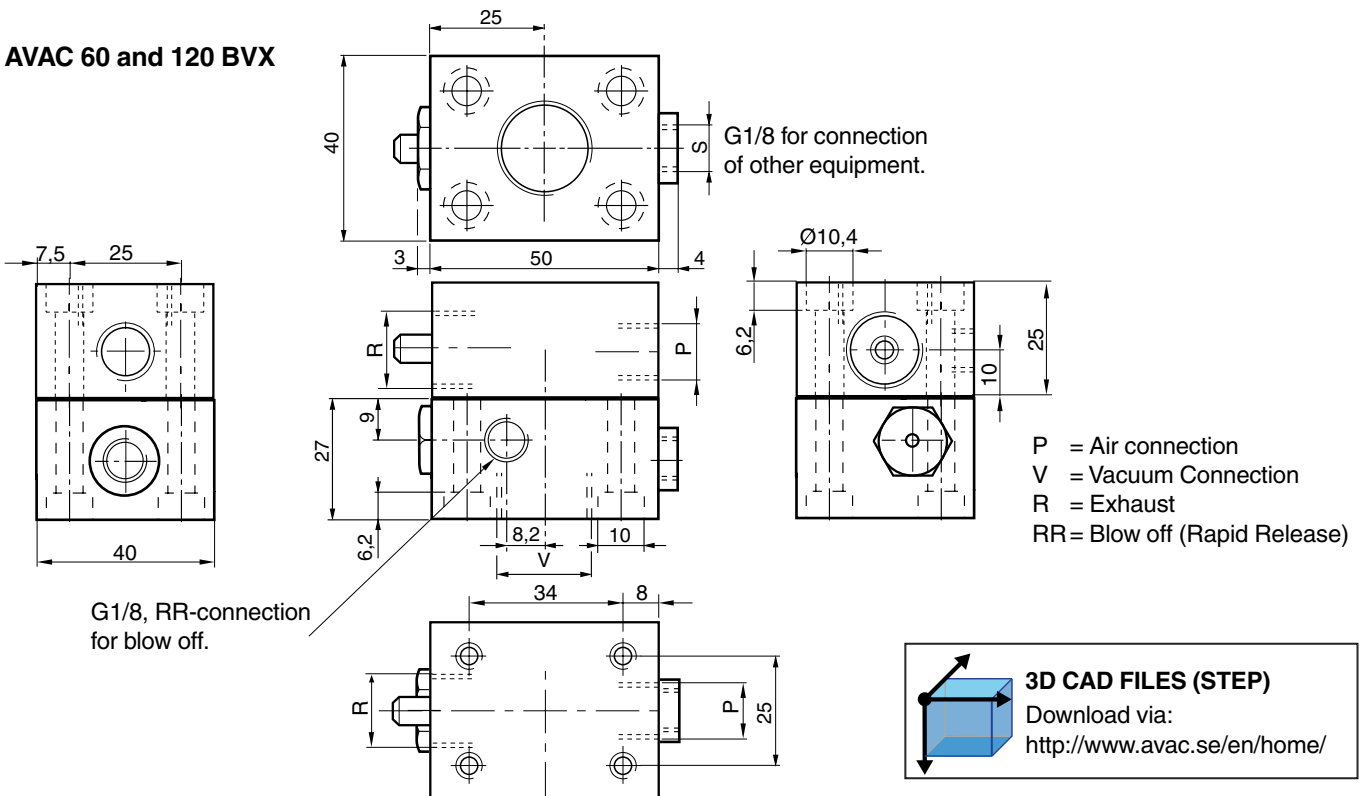
Temperature

Temperature range	-10 to +70 °C
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Compressed air

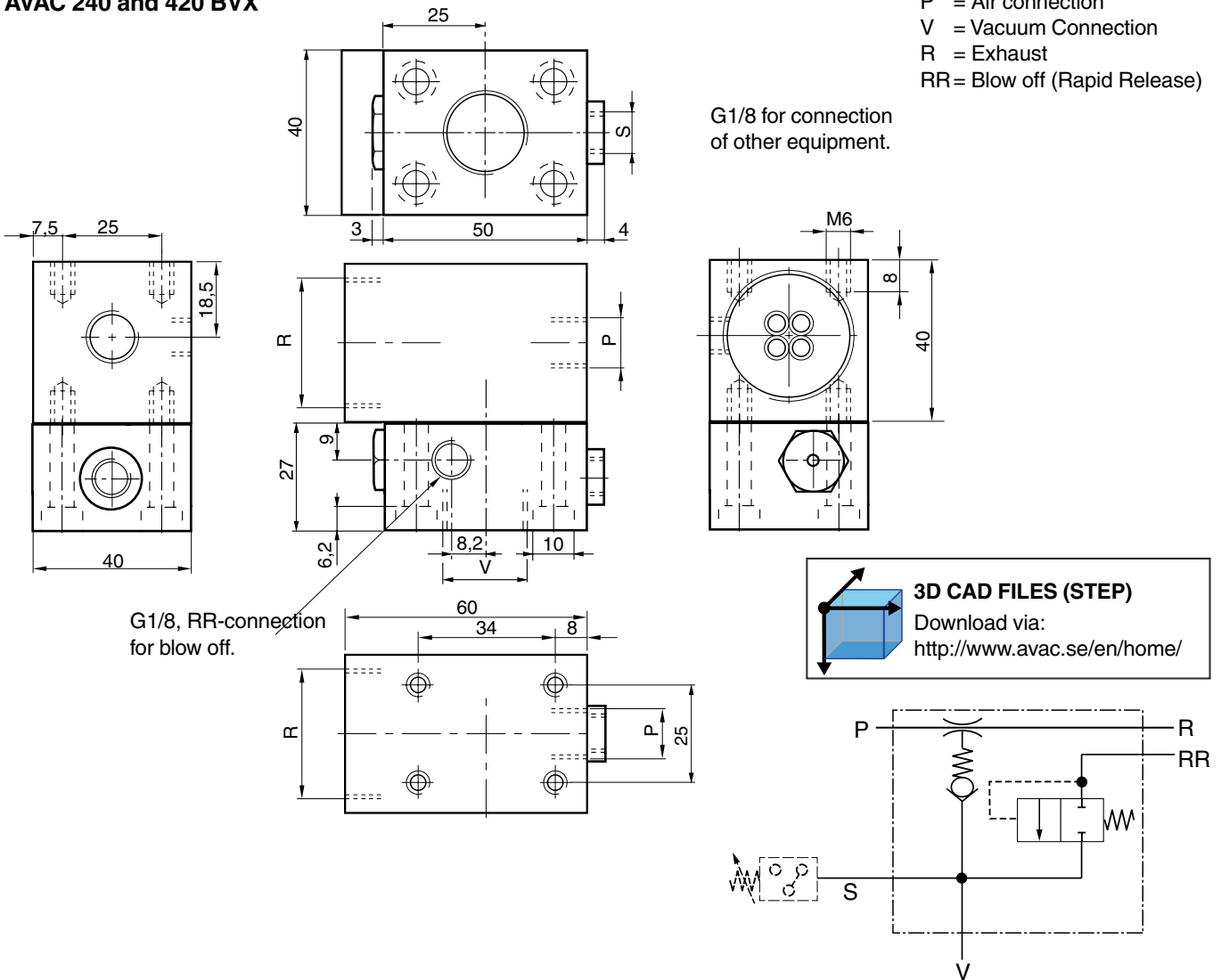
Pressure	max 8 bar
Optimum supply pressure	4 bar

AVAC 60 and 120 BVX



3D CAD FILES (STEP)
Download via:
<http://www.avac.se/en/home/>

AVAC 240 and 420 BVX



Vacuum flow of the ejector and the primary nozzle diameter

Designation	Vacuum flow at different vacuum level [NI/min]									Primary nozzle(s) Ø mm
	0%	10%	20%	30%	40%	50%	60%	70%	80%	
AVAC 60-BVX	42.6	37.6	32.0	27.0	20.1	15.3	10.3	3.3	1.5	1.25
AVAC 120-BVX	85.0	73.5	63.4	52.7	43.3	34.5	21.3	10.5	4.0	2 x 1.25
AVAC 240-BVX	160.0	135.0	116.7	99.1	80.9	62.7	41.4	14.5	8.0	4 x 1.25
AVAC 420-BVX	255.0	207.0	180.6	150.0	128.6	99.1	70.9	38.3	15.6	7 x 1.25

Designation	Connection threads				Air consumption NI/min.	Evacuation time (s)*	Weight g	Order no.
	P	V	R	RR				
AVAC 60-BVX	G1/4	G1/2	G3/8	G1/8	60	3	290	110 061 06
AVAC 120-BVX	G1/4	G1/2	G1/2	G1/8	120	1.5	295	110 121 06
AVAC 240-BVX	G1/4	G1/2	G1	G1/8	240	0.75	365	110 241 06
AVAC 420-BVX	G1/4	G1/2	G1	G1/8	420	0.45	370	110 421 06

* Time to evacuate 1 litre air from atmospheric pressure to 75% vacuum.

Operating Instructions
<http://www.avac.se/pdf/l-BVX.pdf>

