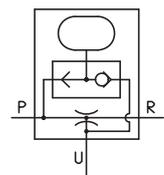
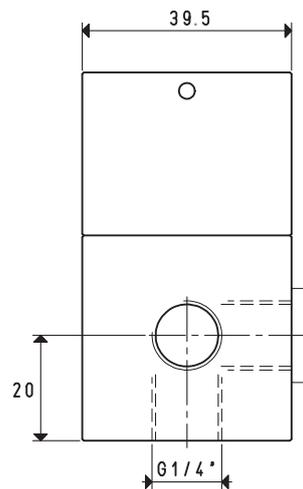
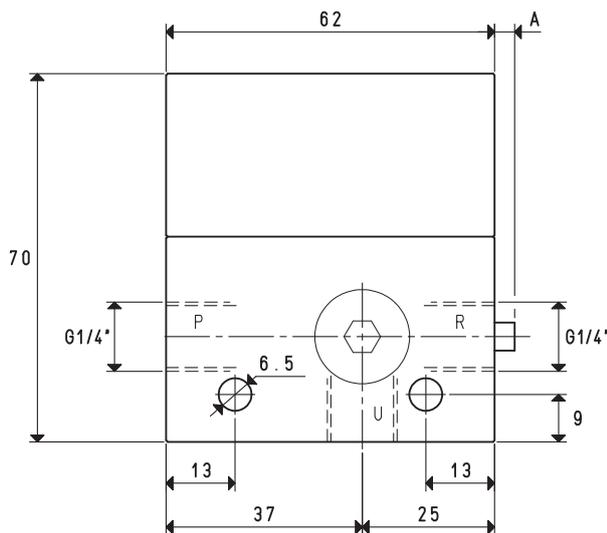




# SINGLE-STAGE VACUUM GENERATORS WITH EJECTOR 15 02 10, 15 02 10 LP, 15 02 15 LP and 15 04 10

This single-stage vacuum generator operation is based on the Venturi principle. When the generator is supplied with compressed air in P, the vacuum will be generated at connection U and the supply air with the suctioned air will be discharged in R. During the operating cycle, a chamber inside the generator body will be supplied and, when supply stops in P, the compressed air accumulated in it will be discharged through the U connection, quickly restoring atmospheric pressure of use.

If when using U, for example, it is connected to a vacuum cup, it will disconnect much faster with this ejector system with respect to the previously described vacuum generators. The optimal air supply pressure is normally 6 bar, but for generators with the letters LP in their item, a pressure lower than 4 bar is sufficient to obtain the best performance. They are fully made with anodised aluminium, with brass or aluminium ejectors, depending on the items.



P=COMPRESSED AIR CONNECTION      R=EXHAUST      U=VACUUM CONNECTION

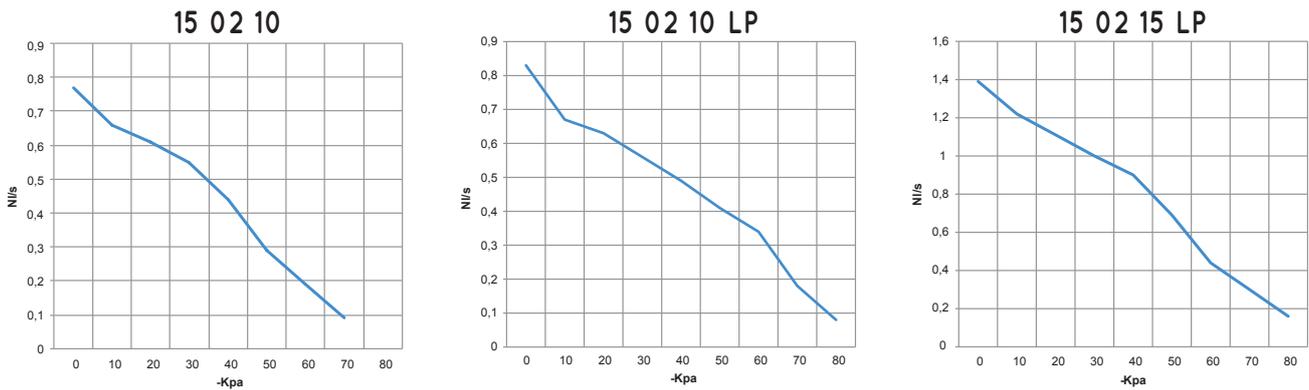
Item		15 02 10			15 02 10 LP			15 02 15 LP		
Intake air flow rate	m <sup>3</sup> /h	2.7	2.8	2.9	2.6	2.8	3.0	4.8	4.9	5.0
Maximum level of vacuum	-kPa	55	70	85	43	61	85	40	61	85
Final pressure	mbar abs.	450	300	150	570	390	150	600	390	150
Supply pressure	bar	4	5	6	2	3	4	2	3	4
Optimal supply pressure	bar	6			4			4		
Air consumption	NI/s	0.7	0.8	0.9	0.7	0.9	1.2	1.3	1.7	2.2
Operating temperature	°C	-20 / +80			-20 / +80			-20 / +80		
Noise level at optimal supply pressure	dB(A)	63			63			65		
Weight	g	319			320			320		
A	mm				3			5		
<b>Spare parts</b>		<b>15 02 10</b>			<b>15 02 10 LP</b>			<b>15 02 15 LP</b>		
Sealing kit	item	00 15 500			00 15 500			00 15 500		

Note: All vacuum values indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard ISO 8573-1 class 4.

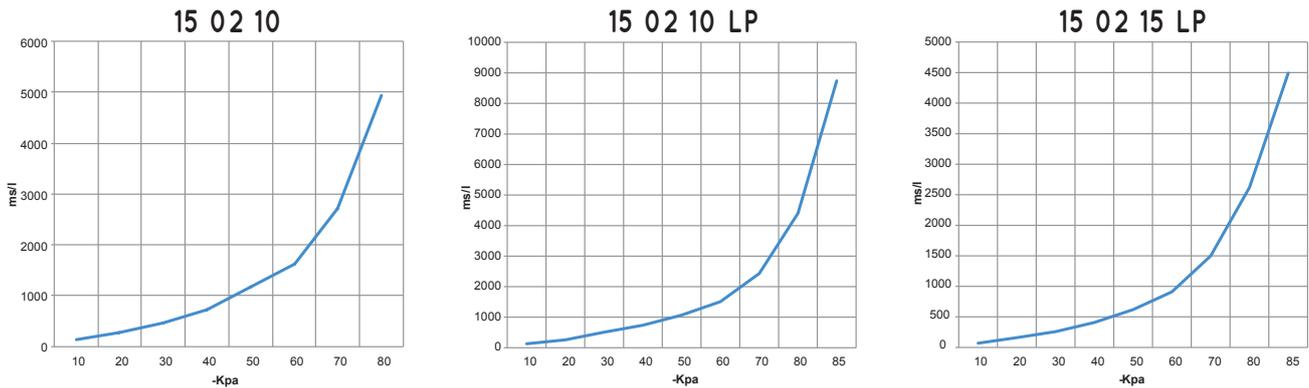
# SINGLE-STAGE VACUUM GENERATORS WITH EJECTOR 15 02 10, 15 02 10 LP and 15 02 15 LP

Air flow rate (NI/s) at different level of vacuum (-KPa) at optimal supply pressure



Generator item	Supp. press. bar	Air consumption NI/s	Air flow rate (NI/s) at different levels of vacuums (-KPa) at optimal supply pressure										Max vacuum -KPa
			0	10	20	30	40	50	60	70	80		
15 02 10	6.0	0.9	0.80	0.66	0.61	0.55	0.44	0.29	0.19	0.09	--	85	
15 02 10 LP	4.0	1.2	0.83	0.67	0.63	0.56	0.49	0.41	0.34	0.18	0.08	85	
15 02 15 LP	4.0	2.2	1.39	1.22	1.11	1.00	0.90	0.69	0.44	0.30	0.16	85	

Evacuation rates (ms/l = s/m³) at different levels of vacuums (-KPa) at optimal supply pressure



Generator item	Supp. press. bar	Air consumption NI/s	Evacuation rates (ms/l = s/m³) at different levels of vacuums (-KPa) at optimal supply pressure								Max vacuum -KPa	
			10	20	30	40	50	60	70	80		85
15 02 10	6.0	0.9	139	278	472	727	1171	1628	2720	4928	--	85
15 02 10 LP	4.0	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
15 02 15 LP	4.0	2.2	70	160	260	410	620	910	1500	2620	4490	85

## ACCESSORIES UPON REQUEST

Silencer item SSX 1/4"

