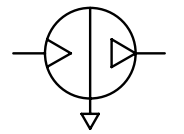
Air Amplifier Station with Tank — AP

Description	The air amplifier compresses air or nitrogen from a standard pressure of 10 bar max. to the desired outlet pressure of 60 bar max. This is realised by cylinders with different ratios - simple, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Service life 3 million cycles, full load operation 12 min max. per hour.				
Media	lubricated, unlubricated and 50 µm filtered compressed air				
Amplifier station	The pressure booster has an additional tank, pressure regulator, filter, gauge, relief valve and switch-on valve. Pressure pulsation rates are low, air consumption peaks are compensated and the operating pressure can be adjusted.				
Drive pressure P_A	system air to drive the air amplifier, 2…10 bar				
Supply pressure P_1	max. 12 bar, for instance nitrogen or the system air				
Outlet pressure P_2	amplified outlet or operating pressure of 20 bar to 40 bar maximum				
Temperature range	0 °C to 60 °C / 32 °F to 140 °F		**Sound level**	max. 79 dB (A)	
Material	Body: aluminium	Seals: NBR/Buna-N	Tank:	coated steel, SST at AP40-0050	



P_1: max. 12 bar, P_2: 40 bar
50 to 1200 l/min

Air amplifier station

supply pressure max. 12 bar, for compressed air drive pressure P_A 2...10 bar — **AP**

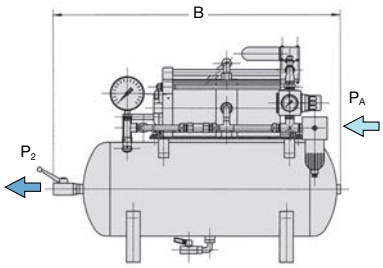
Dimensions A mm	B mm	C mm	Weight kg	Tank volume l	Connection thread drive	P_1 / P_2	Transmission ratio P_A : P_2	Flow rate l/min*1	Outlet max. bar*5	Order number
220	400	360	13	3	G⅜	G⅜	1 : 2	580*1	20	**AP20-0580**
235	400	360	16	3	G½	G½	1 : 2	960*1	20	**AP20-0960**
656	844	381	49	40	G¾	G½	1 : 2	1200*1	20	**AP20-1200**
655	844	381	16	40	G½	G½	1 : 3	230*2	20	**AP20-0230**
365	400	133	5.3	0.8	G⅜	G⅜	1 : 4	50*3	40	**AP40-0050**
655	844	381	45	40	G½	G⅜	1 : 5	360*4	40	**AP40-0360**

AP20-0580 similar to AP20-0960 and AP40-0360

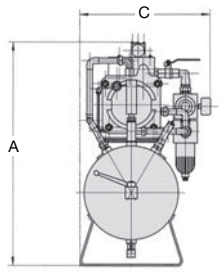
AP20-1200 similar to AP40-0360 and AP20-0230

Special options, add the appropriate letter

unlubricated operation seals	FEC seals for dry compressed air or nitrogen	AP . . -. . . . **T**
Atex ⟨Ex⟩ **version**	e.g. Ex II 3G/3D IIB x, further specifications possible	AP . . -. . . . **EX**
pressure booster for gas	up to max. 1500 bar outlet pressure	AP . . -. . . .



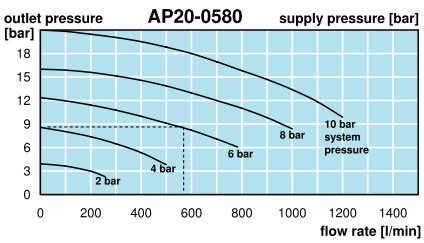
AP

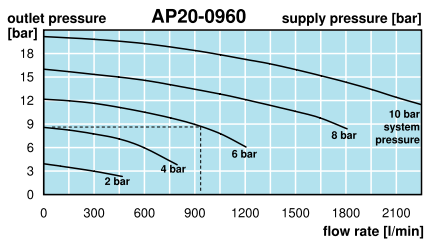


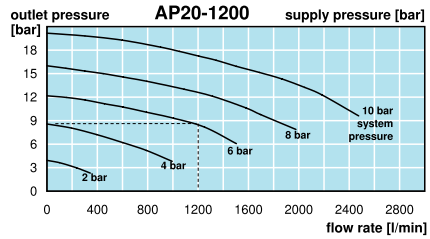
AP

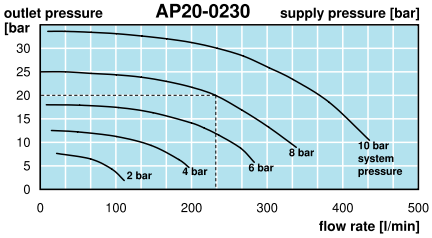
AP40-0050

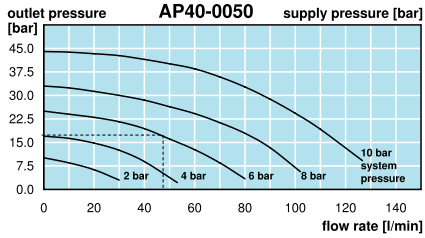
Performance diagrams for full load operations, max. 12 min/h. 20% of the values at permanent running.

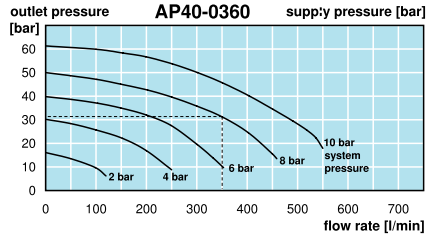












*1 at 6 bar supply and 8 bar outlet pressure under full load
*2 at 8 bar supply and 20 bar outlet pressure under full load
*3 at 6 bar supply and 16 bar outlet pressure under full load
*4 at 8 bar supply and 30 bar outlet pressure under full load
*5 outlet pressure P_2 limited by the pressure stage of the accumulator, higher pressure ranges on request

DURAY

Order example: AP20-0580