

pumps

With **altek Kolbran pumps** we are able to offer a **quality product** manufactured in-house.

altek have been manufacturing pumps for plant protection sprayers since 1965.

Thousands of **altek** Kolbran pumps provide reliable service to farmers and in local technology around the world year after year.

altek pumps are characterised by their **robustness, reliability and long service life**. Thanks to **altek's** many decades of experience in pump manufacture, for **altek pumps several thousand hectares a year** are not unusual and do not present a problem.

The **altek pump series** consists of piston-supported diaphragm pumps. **All altek pumps are liquid fertiliser proof**. Depending on the area of application, **altek Kolbran pumps** can be fitted with Viton® or Buna N diaphragms. Thanks to our many years of know-how in dealing with plant protectives, **altek Kolbran pumps** are very resistant to the multitude of plant protectives in existence world-wide.

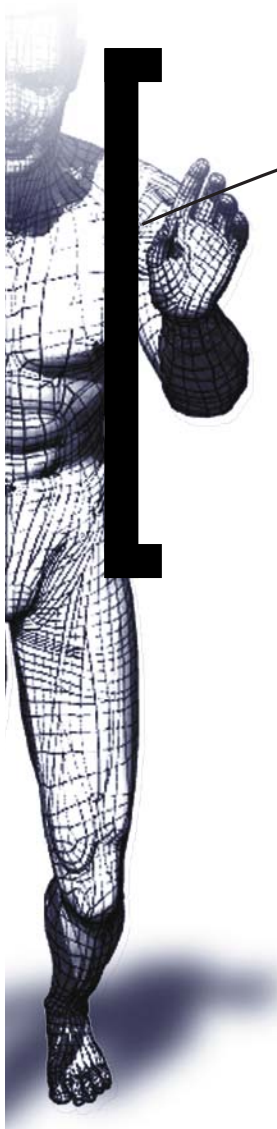
Product description for Kolbran pumps

The **altek Kolbran pump series** includes the following performance categories:



Performance class	Type	Number of chambers/ construction
70 litres/min.	P70	2/ chambers
100 litres/min.	P100	2/ chambers
120 litres/min.	P120	2/ chambers
140 litres/min.	P150	4/ chambers
200 litres/min.	P200	4/ chambers
260 litres/min.	P260	4/ chambers

Viton® is a registered trademark of DuPont Dow Elastomers



pumps

It is one of our principles that our performance details represent genuine values **under practical conditions**. If we specify 200 litre/min. as the output, then our pumps actually provide 200 litre /min.

altek pumps are **very compact** in design, so that they can be easily mounted in smaller plant protection sprayers. Thanks to the **modular principle** utilized by *altek*, the 4-chamber pumps can be constructed in such a way that suction and pressure connections can be fitted on both the left and right-hand sides of the machine. Consequently, they can be installed in plant protection sprayers in a very flexible manner.

Further advantages of *altek* Kolbran pumps:

- **Robust construction** with drive mounted on ball bearings and supported diaphragms guarantee a **long service life** and operational reliability.
- **Linear steady state characteristic**. This is essential to enable the following control systems to function accurately.
- **Integrated accumulator** to support a **constant output**.
- **Safe to run dry** and **self-priming** even up to 4 metres lift.
- **Easy to repair**. Wearing parts such as diaphragms and valves can be replaced most simply, without dismantling the pump.
- **Liquid fertiliser-proof**.
- **Very small residual quantities**.
- **Excellent quiet running**.
- Drive is possible via **hydromotor**.
- Through shaft from **200 litres/min**.
- **Solid, simple design** ensures reasonably priced spare parts supply.
- **Oil bath lubrication** for the drive set.



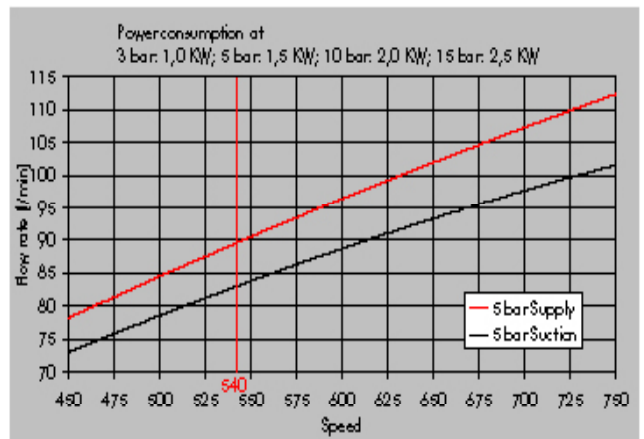
- Linear steady state characteristic
- Integrated hydraulic accumulator
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser-proof

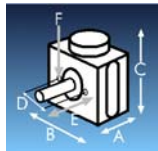


P70

Capacity in litres at 5 bar: 70 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 5 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Spline shaft: DIN 9611 / ISO 500
 Standard working diaphragms: 2 x NBR
 Accumulator diaphragms: 1 x NBR
 Inlet-ø suction side: AS40
 Outlet-ø pressure side: AS30
 Lubrication: Oil bath
 Weight: 8,7 kg

Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel: 1.4305, NBR seals



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
	195	220	300	96	85	M12

Pump variants	
Article-No.	Type
37239	Inlet: Opposite drive Outlet: Opposite drive

Recommended fittings inlet		Recommended fittings outlet	
Article-No.	Type	Article-No.	Type
08275	Plug-in hose tail AS40/ø39/90° cpl	08337	Plug-in hose tail AS30/ø25/90° cpl
06247	Plug-in hose tail AS40/ø39 cpl	33793	Plug-in hose tail AS30/ø33/90° cpl
		81119	Plug-in hose tail AS30/ø25 cpl
		01399	Plug-in hose tail AS30/ø33 cpl

Special types:

- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

More Fittings: look accessories page Z1 - Z10.

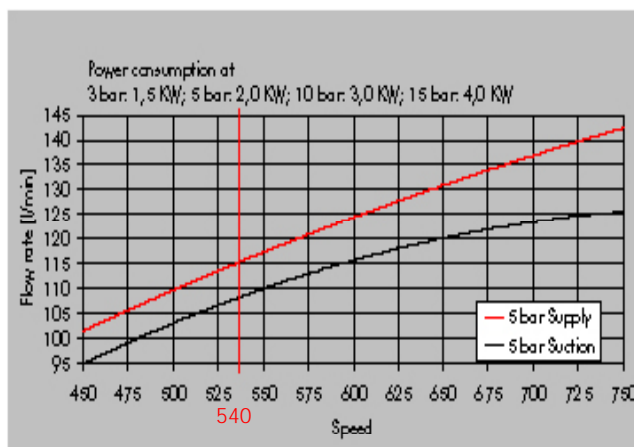
- Linear steady state characteristic
- Integrated hydraulic accumulator
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser-proof

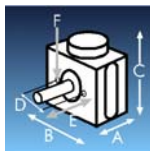


P100

Capacity in litres at 5 bar: 100 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 15 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Spline shaft: DIN 9611 / ISO 500
 Standard working diaphragms: 2 x NBR
 Accumulator diaphragms: 1 x NBR
 Inlet-ø suction side: AS40
 Outlet-ø pressure side: AS30
 Lubrication: Oil bath
 Weight: 11,8 kg

Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel:1.4305, NBR seals



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
	225	260	300	96	85	M12

Pump variants	
Article-No.	Type
37240	Inlet: Opposite drive Outlet: Opposite drive

Recommended fittings inlet		Recommended fittings outlet	
Article-No.	Type	Article-No.	Type
17409	Plug-in hose tail AS40/ø46 cpl	08337	Plug-in hose tail AS30/ø25/90° cpl
08275	Plug-in hose tail AS40/ø39/90° cpl	33793	Plug-in hose tail AS30/ø33/90° cpl
06247	Plug-in hose tail AS40/ø39 cpl	81119	Plug-in hose tail AS30/ø25 cpl
		01399	Plug-in hose tail AS30/ø33 cpl

More Fittings: look accessories page Z1 - Z10.

Special types:

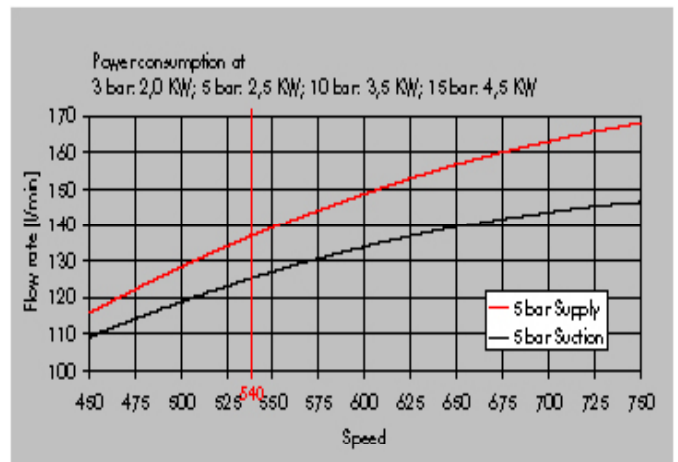
- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

- Linear steady state characteristic
- Integrated hydraulic accumulator
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser proof



P120

Capacity in litres at 5 bar: 120 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 15 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Spline shaft: DIN 9611 / ISO 500
 Standard working diaphragm: 2 x NBR
 Accumulator diaphragm: 2 x NBR
 Inlet-ø suction side: AS40
 Outlet-ø pressure side: AS30
 Lubrication: Oil bath
 Weight: 13,2 kg



Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel: 1.4305, NBR seals

	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
	225	265	330	96	85	M12

Pump variants

Article-No.	Type
37241	Inlet: Opposite drive Outlet: Opposite drive

Recommended fittings inlet		Recommended fittings outlet	
Article-No.	Type	Article-No.	Type
17409	Plug-in hose tail AS40/ø46 cpl	33793	Plug-in hose tail AS30/ø33/90° cpl
08275	Plug-in hose tail AS40/ø39/90° cpl	81119	Plug-in hose tail AS30/ø25 cpl
06247	Plug-in hose tail AS40/ø39 cpl	01399	Plug-in hose tail AS30/ø33 cpl

Special types:

- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

More Fittings: look accessories page Z1 - Z10.

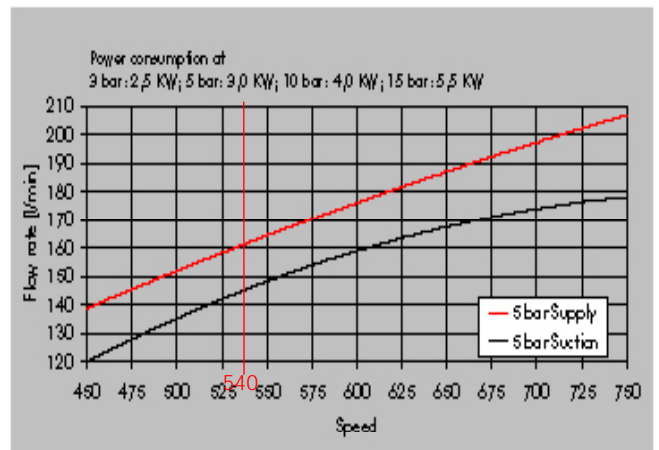
- Linear steady state characteristic
- Integrated hydraulic accumulator
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser-proof



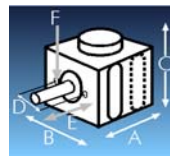
P150

Capacity in litres at 5 bar: 150 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 15 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Spline shaft: DIN 9611 / ISO 500
 Standard working diaphragms: 4 x NBR
 Accumulator diaphragms: 1 x NBR
 Inlet-ø suction side: AS40
 Outlet-ø pressure side: AS30
 Lubrication: Oil bath
 Weight: 16,2 kg

Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel: 1.4305, NBR seals



Pump variants	
Article-No.	Type
37242	Inlet: left side Outlet: right side
40943	Inlet: right side Outlet: right side
47804	Inlet: left side Outlet: left side
47805	Inlet: right side Outlet: left side



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
285	220	280	96	85	M12

Recommended fittings inlet		Recommended fittings outlet	
Article-No.	Type	Article-No.	Type
17409	Plug-in hose tail AS40/ø46 cpl	08337	Plug-in hose tail AS30/ø25/90° cpl
08275	Plug-in hose tail AS40/ø39/90° cpl	33793	Plug-in hose tail AS30/ø33/90° cpl
06247	Plug-in hose tail AS40/ø39 cpl	81119	Plug-in hose tail AS30/ø25 cpl
		01399	Plug-in hose tail AS30/ø33 cpl

Special types:

- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

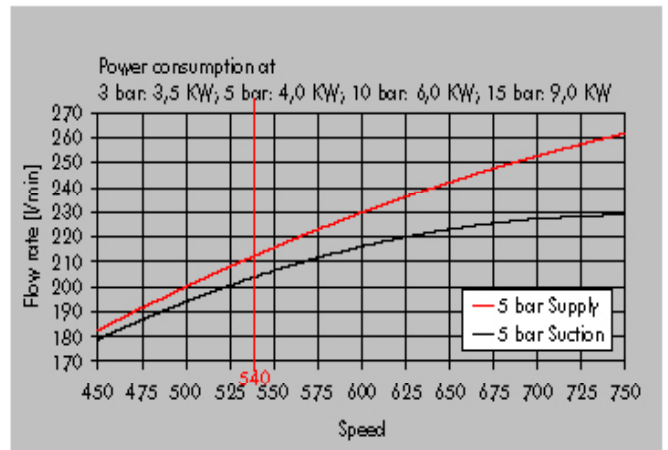
More Fittings: look accessories page Z1 - Z10.

- Linear steady state characteristics
- Integrated hydraulic accumulator
- Through shaft
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser-proof




P200

Capacity in litres at 5 bar: 200 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 15 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Through shaft: DIN 9611 / ISO 500
 Standard working diaphragms: 4 x NBR
 Accumulator diaphragms: 1 x NBR
 Inlet-ø suction side: AS50
 Outlet-ø pressure side: AS30
 Lubrication: Oil bath
 Weight: 22 kg/26 kg



Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel: 1.4305, NBR seals

Pump variants		
Article-No.		Type
Standard shaft	Through shaft	
35088	47970	Inlet: left side Outlet: right side
39683	47973	Inlet: right side Outlet: left side
54722	47972	Inlet: left side Outlet: left side
35090	47971	Inlet: right side Outlet: right side

	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
	315	260	295	96	85	M12

Recommended fittings inlet		Recommended fittings outlet	
Article-No.	Type	Article-No.	Type
17330	Plug-in hose tail AS50/ø46/90° cpl	08337	Plug-in hose tail AS30/ø25/90° cpl
17157	Plug-in hose tail AS50/ø46 cpl	33793	Plug-in hose tail AS30/ø33/90° cpl
		81119	Plug-in hose tail AS30/ø25 cpl
		01399	Plug-in hose tail AS30/ø33 cpl

Special types:

- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

More Fittings: look accessories page Z1 - Z10.

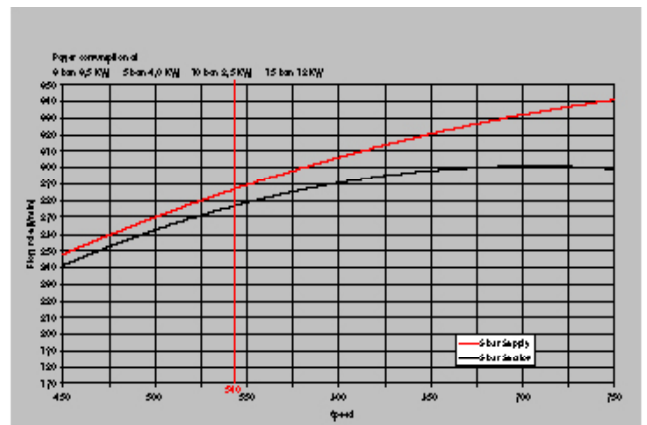
- Linear steady state characteristics
- Integrated hydraulic accumulator
- Through shaft
- Safe to run dry
- Self-priming up to 4 metres depth
- Liquid fertiliser-proof



P260

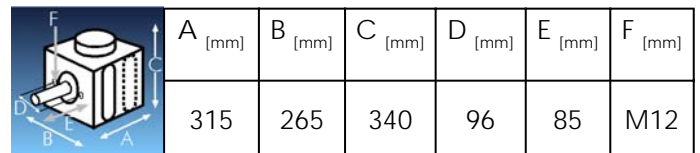


Capacity in litres at 5 bar: 260 litres/min.
 Nominal speed: 540 rpm
 Continuous pressure: 15 bar
 Maximum pressure: 20 bar
 Speed range: 450-700 rpm
 Through shaft: DIN 9611 / ISO 500
 Standard working diaphragms: 4 x NBR
 Accumulator diaphragms: 1 x NBR
 Inlet- \varnothing suction side: G2 (BSP)
 Outlet- \varnothing pressure side: AS30
 Lubrication: Oil bath
 Weight: 30 kg



Material: Cast aluminium, partially anodised and coated with epoxy resin, POM, Stainless steel: 1.4305, NBR seals

Pump variants	
Article-No.	Type
47974	Inlet: left side Outlet: right side
47975	Inlet: right side Outlet: right side
47976	Inlet: left side Outlet: left side
47977	Inlet: right side Outlet: left side



Recommended fittings inlet	Recommended fittings outlet	
Type	Article-No.	Type
Usual in trade fittings (BSP)	08337	Plug-in hose tail AS30/ø25/90° cpl
	33793	Plug-in hose tail AS30/ø33/90° cpl
	81119	Plug-in hose tail AS30/ø25 cpl
	01399	Plug-in hose tail AS30/ø33 cpl

Special types:

- FPM-working diaphragms
- PU-working diaphragms on request
- Oil-filling ex-works on request

More Fittings: look accessories page Z1 - Z10.