



HeavyXtreme™ Single-line Lubrication System

■ HXP Lubrication Pump Station



✧ Product Description

HeavyXtreme™ series pump station is a compact and high-pressure pump which is being used widely. The powerful drive unit, high displacement and sturdy oil tank make it suitable for any heavy-duty and harsh working environment.

This pump station has a max. operating pressure of 350 bar. It can be used in mining, construction machinery, metallurgy, paper-making, and various other application fields.

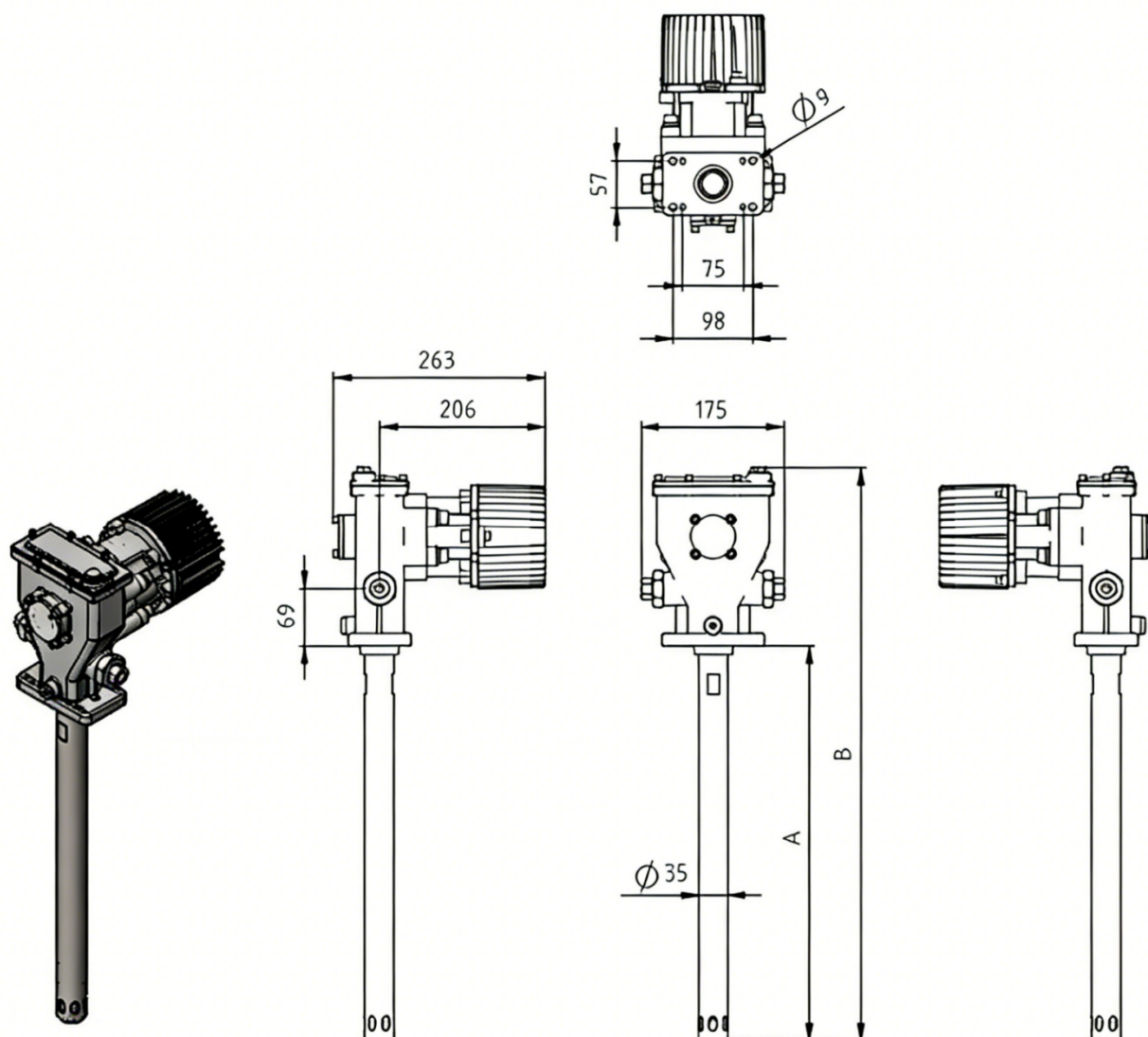
✧ Product Features

1. Strong and stable power: BLDC motor or hydraulic oil.
2. Suitable for harsh working conditions: maximum working pressure up to 350 bar.
3. Overload protection: durable, reduces maintenance costs.
4. Fully sealed design: wash-resistant.

✧ Technical Data

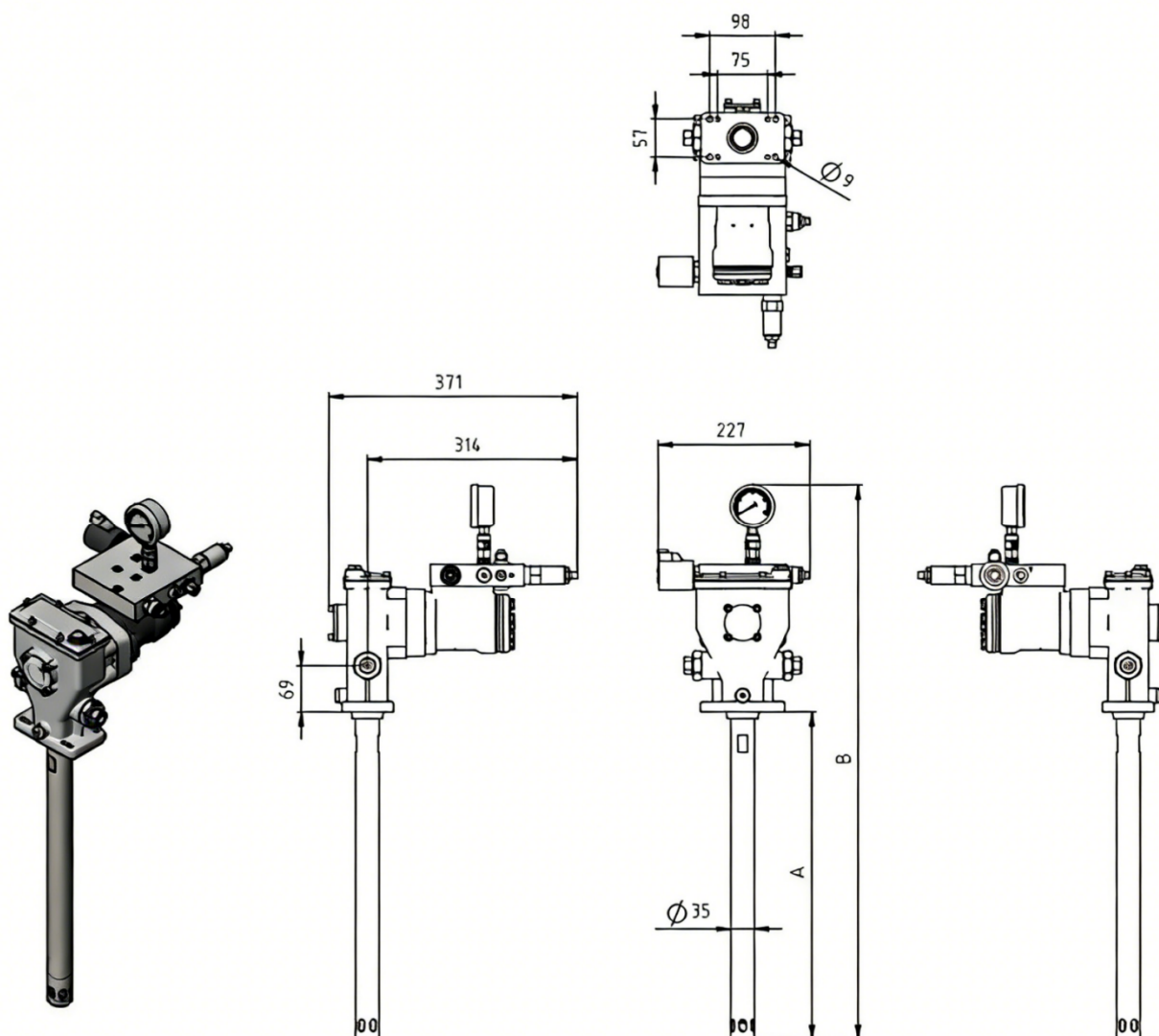
Electrical Pump		Hydraulic Pump	
Power Supply	DC 24V, 1 ~ 7.5 A	Hydraulic Oil	P ≥ 35 bar, V ≤ 20 L/min
Power Socket	DT04-2P	Hydraulic Oil Inlet & Outlet	G1/4
		Solenoid Valve Connection	DT04-2P
Displacement	88 cm ³ /min	Displacement	444 cm ³ /min
Other Shared Technical Data			
Working Pressure	Max. 350 bar	Working Temperature	-40 °C ~ +65 °C
Outlet Thread	G1/4	Tank Capacity	28, 40, 55 kg
Filling Port	Rc 1	Mounting	Vertical
Relief Port	Rc 1-1/4	Pressure switch	DC 24V
Lubricant	NLGI 0, 1, 2	Level switch	DC 24V

■ HXP Electric Lubrication Pump Head



Model	Name	Power Supply	Tank Capacity (kg)	Max. Operating Pressure (bar)	Outlet Thread	Dimension (mm)	
						A	B
HXP1D24R1	Pump Head	DC 24V	28	350	G1/4	490	708
HXP2D24R1	Pump Head	DC 24V	40 / 55	350	G1/4	690	908

■ HXP Hydraulic Lubrication Pump Head



Model	Name	Power Supply	Tank Capacity (kg)	Max. Operating Pressure (bar)	Outlet Thread	Dimension (mm)	
						A	B
HXP1HD	Pump Head	Hydraulic Oil	28	350	G1/4	490	830
HXP2HD	Pump Head	Hydraulic Oil	40 / 55	350	G1/4	690	1030

■ **HXP Pump Station Part Number**

	<u>HXP</u>	<u>28</u>	<u>L</u>	<u>PS</u>	<u>-</u>	<u>A</u>	<u>R1</u>	<u>D24V</u>
HeavyXtreme series pump station _____								
Tank capacity _____								
28: 28kg 40: 40kg 55: 55kg								
Low level alarm _____								
L: Visual indicator								
E: Electric level sensor, DC 24V, PNP, NC								
Pressure switch * _____								
Blank: No								
PS: DC 24V, PNP								
Controller * _____								
Blank: No								
CH: Controller integrated, unit of interval time is Hour								
CM: Controller integrated, unit of interval time is Minute								
Signal and cable code * _____								
Refer to below table								
Gearbox ratio * _____								
R1: 24:1								
Power supply _____								
D24: DC 24V, power socket DT04-2P								
D24V: DC 24V, power socket DT06-2S, with 5m cable								
HD: Hydraulic oil, power socket for solenoid valve (DIN 43650A)								
HDV: Hydraulic oil, power socket for solenoid valve (DIN 43650A), with 5m cable								

* Not available for hydraulic pump station

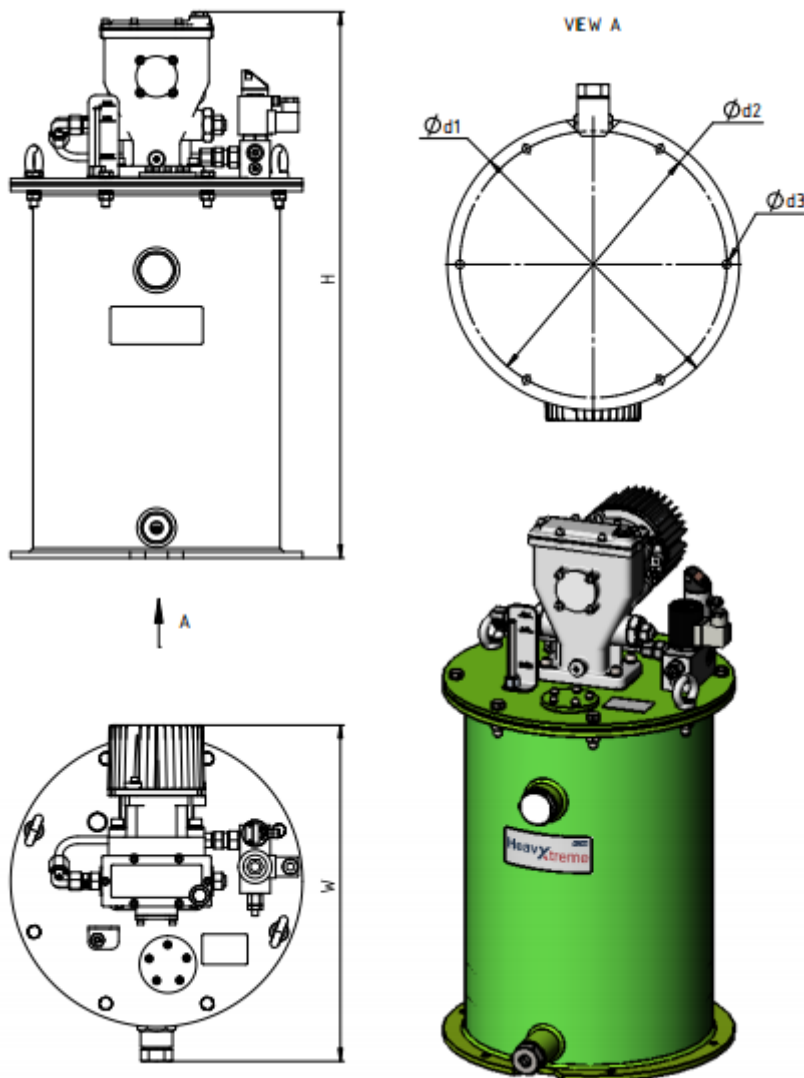
Signal and cable code explanation

The external signal cable kit has four options and they are mutually exclusive. All external signal cables are 5m length.

Controller	Electric level sensor (ELS)			Pressure switch (PS)			External signal cable kit			
	N o	Yes		Provided by customer but not integrated in pump unit	Integrated in pump unit					
		Signal to controller	Signal to customer	Signal to controller	Signal to controller	Signal to customer	No kit code	Kit code for ELS	Kit code for PS	Kit code for both
No	X						/	/	/	/
	X					X	/	/	A	/
			X				/	B	/	/
			X			X	/	/	/	C
Yes (CH/CM)	X			X			/	/	D	/
	X				X		/	/	/	/
		X		X			/	/	/	E
		X			X		/	/	/	/
			X	X			/	/	F	/
			X		X		/	G	/	/

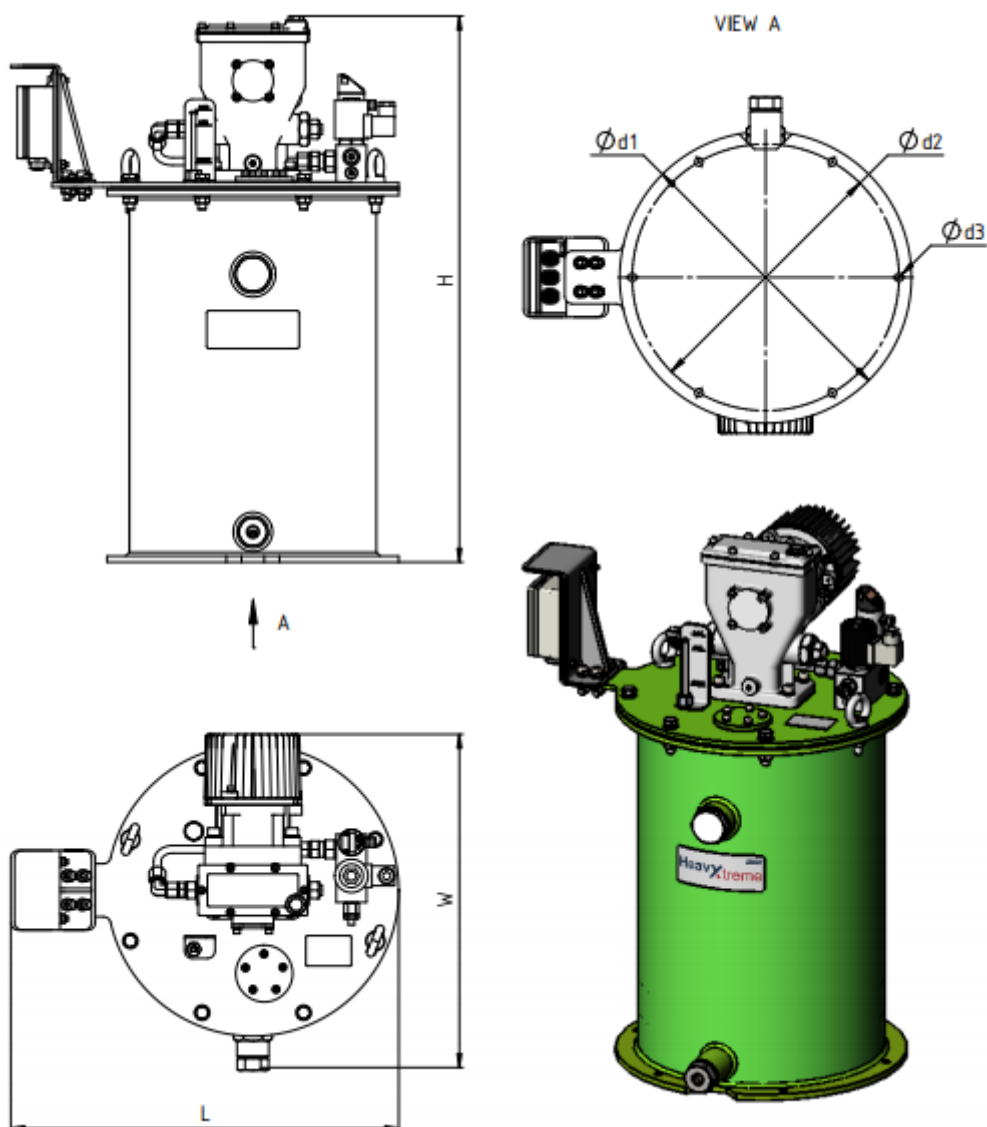
■ HXP Electric Pump Station Dimension

✧ *No controller*



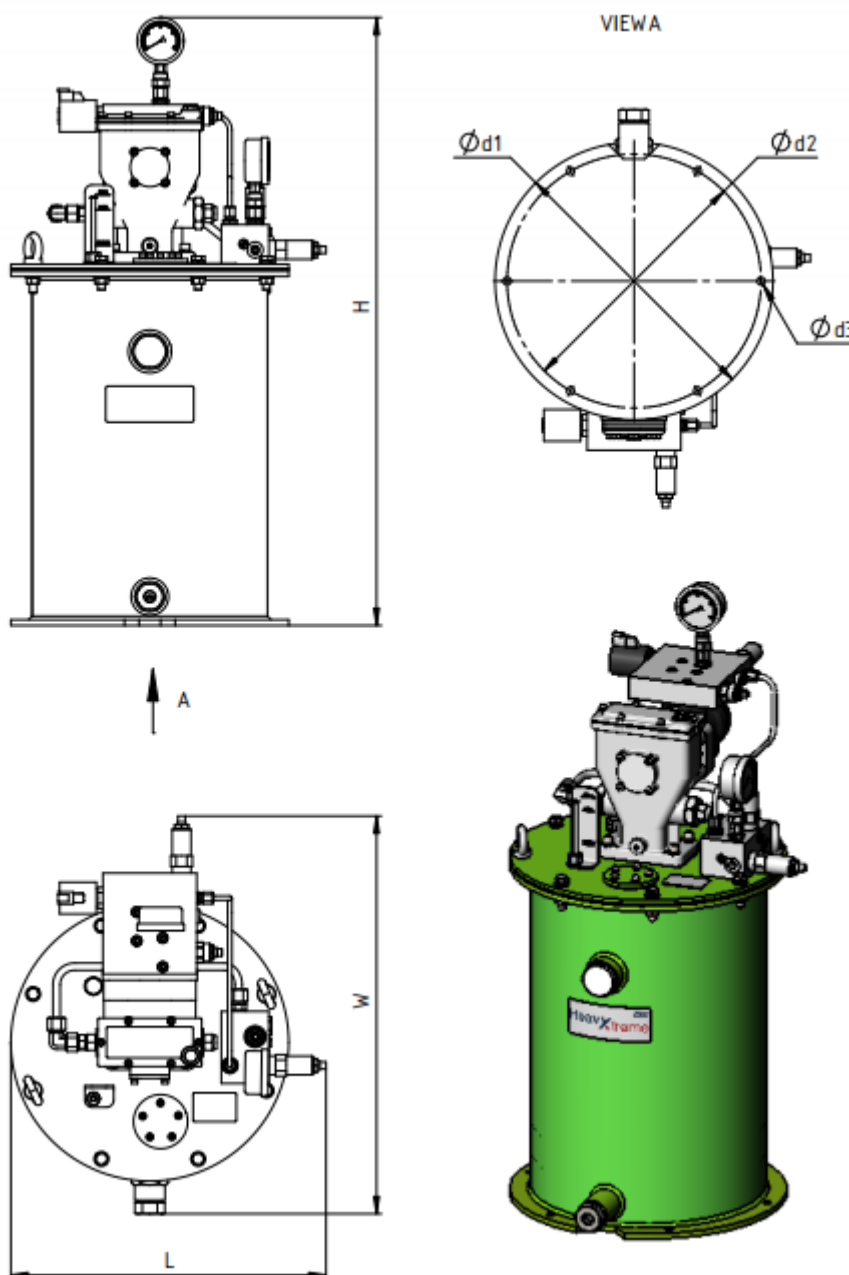
Model	Tank Capacity (kg)	Power Supply	Outlet Thread	H (mm)	W (mm)	Ød1 (mm)	Ød2 (mm)	Ød3 (mm)
HXP28...D24...	28	DC 24V	G1/4	720	445	385	352	6 x Ø11
HXP40...D24...	40			920	445	385	352	6 x Ø11
HXP55...D24...	55			920	470	425	394	4 x Ø15

✧ *Controller integrated*



<i>Model</i>	<i>Tank Capacity (kg)</i>	<i>Power Supply</i>	<i>Outlet Thread</i>	<i>H (mm)</i>	<i>W (mm)</i>	<i>L (mm)</i>	<i>Ød1 (mm)</i>	<i>Ød2 (mm)</i>	<i>Ød3 (mm)</i>
HXP28...CH...D24...	28	DC 24V	G1/4	720	445	512	385	352	6 x Ø11
HXP28...CM...D24...				720	445	512	385	352	6 x Ø11
HXP40...CH...D24...	40			920	445	512	385	352	6 x Ø11
HXP40...CM...D24...				920	445	512	385	352	6 x Ø11
HXP55...CH...D24...	55			920	470	552	425	394	4 x Ø15
HXP55...CM...D24...				920	470	552	425	394	4 x Ø15

■ HXP Hydraulic Pump Station Dimension



Model	Tank Capacity (kg)	Power Supply	Outlet Thread	H (mm)	W (mm)	L (mm)	Ød1 (mm)	Ød2 (mm)	Ød3 (mm)
HXP28L...HD	28	Hydraulic Oil	G1/4	845	552	437	385	352	6 x Ø11
HXP40L...HD	40			1045	552	437	385	352	6 x Ø11
HXP55L...HD	55			1045	572	457	425	394	4 x Ø15

■ HXD-1 Single-line Grease Injector



✧ Product Description

The HXD-1 series grease injectors are used in single-line, high-pressure centralized lubrication systems. It can accommodate lubricants with viscosity of up to NLGI 2.

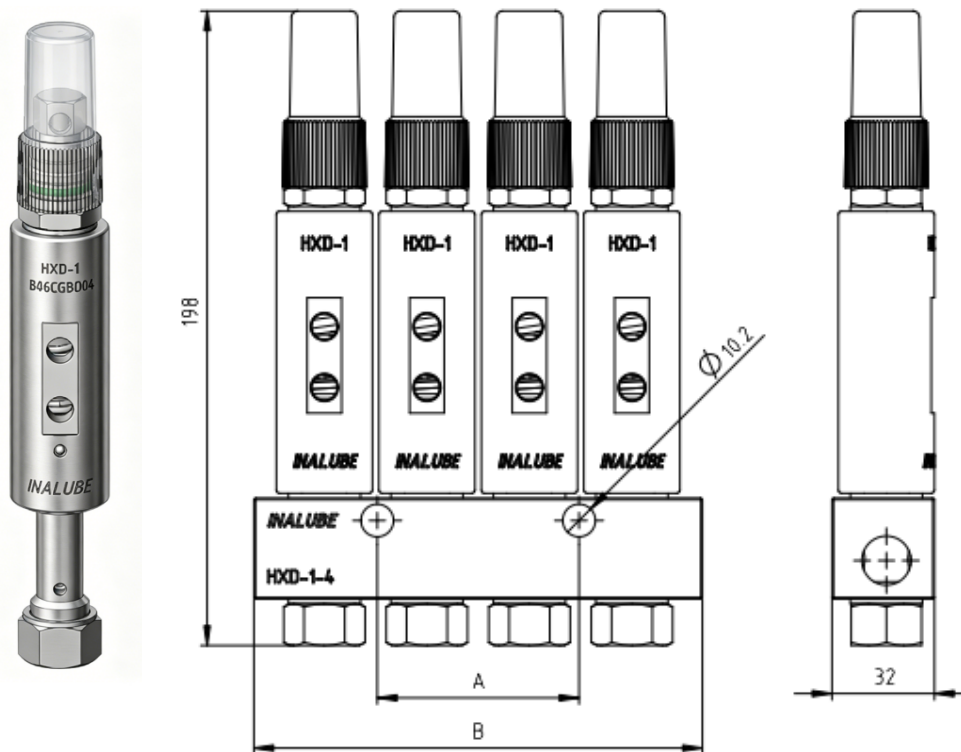
The grease injector can be easily disassembled for inspection or replacement. The injector is solid and reliable, and can be widely used in mineral processing equipment and construction machinery.

✧ Product Features

1. The number of outlets for a single-line injector can be chosen from 1 to 6.
2. Adjust the grease flow of each outlet by rotating the top adjustment screw.
3. Integrated visual indicator to monitor the working status of each point.
4. The single injector is easy to disassemble and replace.

✧ Technical Data

<i>Working Principle</i>	Intermittent
<i>Number of Outlet</i>	1 ~ 6
<i>Displacement of Each Stroke</i>	0.3 ~ 1.7 cm ³ /stroke, adjustable
<i>Working Pressure</i>	Max. 240 bar
<i>Open pressure</i>	70 bar
<i>Relief Pressure</i>	50 bar
<i>Lubricant</i>	NLGI 0, 1, 2
<i>Working Temperature</i>	-26 °C ~ +80 °C
<i>Inlet Thread</i>	3/8-18 NPTF
<i>Outlet Thread</i>	1/8-27 NPTF
<i>Mounting</i>	Any position



Model	Name	Number of Outlet	Displacement of Single Injector in Each Cycle	Dimension (mm)	
				A	B
HXD-1-1	Single-line injector (w. bar)	1	0.3 cm ³ ~ 1.7 cm ³	1 hole	63
HXD-1-2	Single-line injector (w. bar)	2	0.3 cm ³ ~ 1.7 cm ³	1 hole	76
HXD-1-3	Single-line injector (w. bar)	3	0.3 cm ³ ~ 1.7 cm ³	32	108
HXD-1-4	Single-line injector (w. bar)	4	0.3 cm ³ ~ 1.7 cm ³	63	140
HXD-1-5	Single-line injector (w. bar)	5	0.3 cm ³ ~ 1.7 cm ³	95	172
HXD-1-6	Single-line injector (w. bar)	6	0.3 cm ³ ~ 1.7 cm ³	127	204
HXD-1	Injector (w/o bar)	1	0.3 cm ³ ~ 1.7 cm ³	/	/

■ HXD-1E Single-line Grease Injector



✧ Product Description

The HXD-1E series single-line grease injectors are an enhanced design based on the HXD-1 injectors, and capable of higher back pressure. It can be used in single-line centralized lubrication systems where NLGI 2 lubricants are applied.

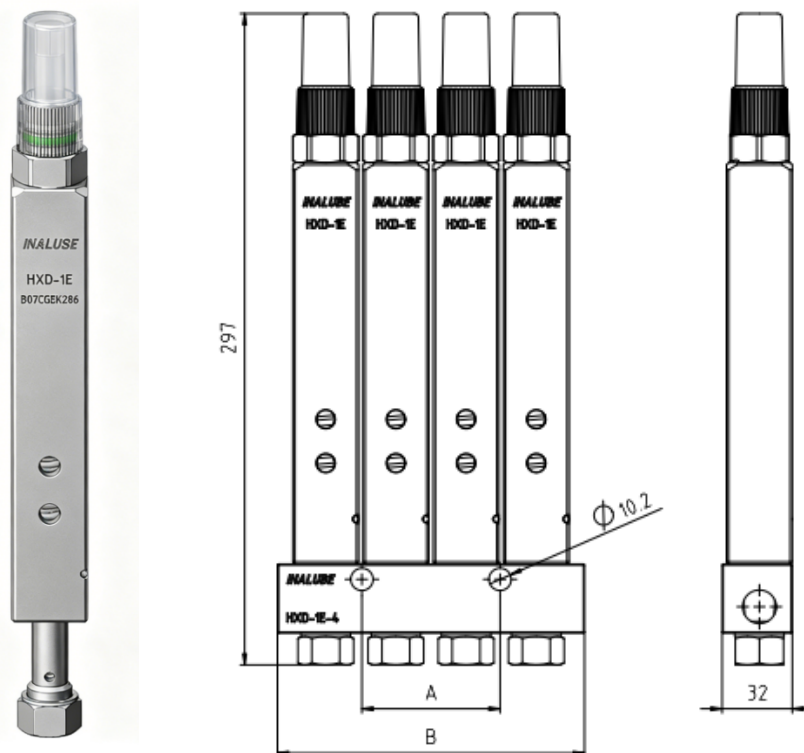
The injector can be easily disassembled. They are robust and reliable and widely used in construction machinery, mineral processing equipment, and metallurgical industries.

✧ Product Features

1. The number of outlets for a single-line injector can be chosen from 1 to 6.
2. Increased relief pressure allows injectors to resist higher back pressure.
3. Adjust the grease flow of each outlet by rotating the top adjustment screw.
4. Integrated visual indicator to monitor the working status of each point.
5. The single injector is easy to disassemble and replace.

✧ Technical Data

<i>Working Principle</i>	Intermittent
<i>Number of Outlet</i>	1 ~ 6
<i>Displacement of Each Stroke</i>	0.3 ~ 5.6 cm ³ /stroke, adjustable
<i>Working Pressure</i>	Max. 400 bar
<i>Open Pressure</i>	160 bar
<i>Relief Pressure</i>	90 bar
<i>Lubricant</i>	NLGI 0, 1, 2
<i>Working Temperature</i>	-26 °C ~ +80 °C
<i>Inlet Thread</i>	3/8-18 NPTF
<i>Outlet Thread</i>	1/8-27 NPTF
<i>Mounting</i>	Any position



Model	Name	Number of Outlet	Displacement of Single Injector in Each Cycle	Dimension (mm)	
				A	B
HXD-1E-1	Single-line injector (w. bar)	1	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	1 hole	63
HXD-1E-2	Single-line injector (w. bar)	2	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	1 hole	76
HXD-1E-3	Single-line injector (w. bar)	3	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	32	108
HXD-1E-4	Single-line injector (w. bar)	4	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	63	140
HXD-1E-5	Single-line injector (w. bar)	5	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	95	172
HXD-1E-6	Single-line injector (w. bar)	6	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	127	204
HXD-1E	Injector (w/o bar)	1	$0.3 \text{ cm}^3 \sim 5.6 \text{ cm}^3$	/	/

