

RELIABLE EQUIPMENT & SERVICE CO., INC.

REL-10-I INTENSIFIER 10,000 PSI



Height 4.50 in.
Length 5.25 in.
Width 4.25 in.
Weight 9.75 lb.



A SMALL TOOL FOR A BIG JOB!

This revolutionary intensifier will increase line pressure to a maximum of 10,000 psi and is fully compatible with all high pressure hydraulic equipment. (i.e. Crimping, Cutting & Sparring Tools)

In comparison to the Stage Pump's 75 to 185 moving parts, Reliable's Intensifier with only 12 moving parts will provide consistent, smooth operation and simplicity of service, which was never before available in it's costly and complex counterpart.

SPECIAL FEATURES

1. H/P Quick-Disconnects
2. Folding Handle with 90° Stop
3. Adjustable Mounting Brackets

REL - 4 - I Increase to 4,000 psi
REL - 6 - I Increase to 6,000 psi
REL-10-I Increase to 10,000 psi

SPECIFICATIONS

HYDRAULIC SYSTEM Open or Closed Center
MOTOR Gear Driven
OPERATING PRESSURE 1,400-2,000 psi
FLOW RANGE 4-7 gpm
OPTIMUM OPERATING PRESSURE .. 1,800 psi @ 6 gpm
OUTPUT - FAST ADVANCE MODE 305 in. ³/min
OUTPUT - HIGH PRESSURE MODE 30 in. ³/min
RELIEF VALVE SETTING 4,000 - 10,000 psi
HIGH PRESSURE PORT 3/8 in. NPT
INLET PORT 3/8 in. NPT
RETURN PORT 3/8 in. NPT

SPECIAL FEATURES

HIGH PRESSURE COUPLER Included
ADJUSTABLE MOUNTING BRACKETS Included
UL-BCA - MOUNTING BUCKET Optional

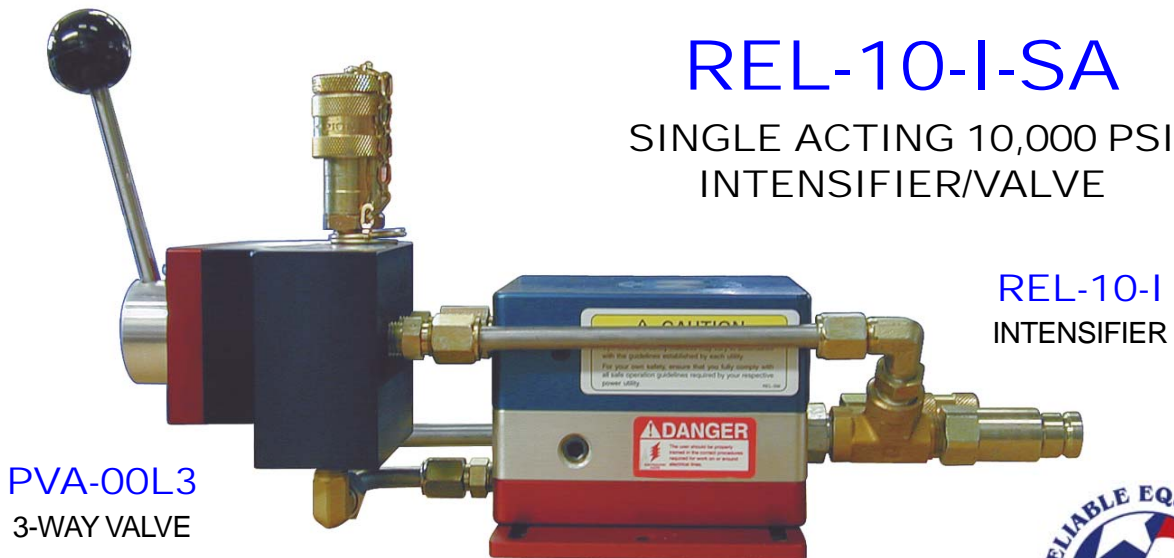


RELIABLE EQUIPMENT & SERVICE CO., INC.

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Visit us on the web at www.Reliable-Equip.com

REL-10-I-SA

SINGLE ACTING 10,000 PSI INTENSIFIER/VALVE



PVA-00L3
3-WAY VALVE

REL-10-I
INTENSIFIER



The REL-10-I-SA provides quick advance and retract for high pressure (10,000 psi) single acting spring return tools, without the need for additional H/P hoses, couplers or an in-line control valve.

This system combines the power of a high pressure intensifier with the simplicity of a fixed position three way control valve.

The REL-10-I intensifier will increase line pressure to a maximum of 10,000 psi and is fully compatible with all high pressure hydraulic equipment.

The PVA-00L3 single-acting control valve, provides 3-way control (Advance, Neutral, Retract) direct from the high pressure source. Together this intensifier/valve package allows return oil to bypass the intensifier and return directly to the tank (return) line, increasing tool speed and performance.

SPECIFICATIONS

| | |
|-----------------------------------|---------------------------|
| HYDRAULIC SYSTEM | Open or Closed Center |
| MOTOR | Gear Driven |
| OPERATING PRESSURE | 1,400-2,000 psi |
| FLOW RANGE | 4-7 gpm |
| OPTIMUM OPERATING PRESSURE ... | 1,800 psi @ 6 gpm |
| OUTPUT - FAST ADVANCE MODE | 305 in. ³ /min |
| OUTPUT - HIGH PRESSURE MODE | 30 in. ³ /min |
| RELIEF VALVE SETTING | 4,000 - 10,000 psi |
| HIGH PRESSURE PORT | 3/8 in. NPT |
| INLET PORT | 3/8 in. NPT |
| RETURN PORT | 3/8 in. NPT |

SPECIAL FEATURES

| | |
|------------------------------------|----------|
| HIGH PRESSURE COUPLER | Included |
| ADJUSTABLE MOUNTING BRACKETS | Included |
| UL-BCA - MOUNTING BUCKET | Optional |

SPECIFICATIONS - HYD. POWER SOURCE

200 PSI back pressure is the maximum agreed standard for the Hydraulic Tool Manufacturers Association (HTMA).

1. Maximum fluid temperature must not exceed 140°F (60°C) at the maximum expected ambient temperature. A sufficient oil cooling capacity is needed to limit the fluid temperature.
2. Maximum flow must not exceed 8 GPM. Install a flow meter in the return line to test the rate of flow in the system before working the tool.
3. Pressure relief valve must not exceed 2,200 PSI. The pressure relief valve must be located in the supply circuit between the pump and the intensifier to limit excessive pressure to the tool.

Any hydraulic power source used with this unit must meet the requirements above.

RELIABLE EQUIPMENT COMBINES FORCE & FUNCTION

REL-10-I-S/DA

TYPICAL SINGLE ACTING SET-UP

(SHOWN ON THE RIGHT)

TYPICAL DOUBLE ACTING SET-UP

(4-WAY VALVE REQUIRED)

(SHOWN BELOW)

REL-10-I-S/DA



REL-60SA
S/A CRIMPING HEAD



3VE3
10,000 PSI HOSE



REL-10-I-S/DA



PVA 1122
CONTROL VALVE W/ 3VE3 HOSES

3VE3
10,000 PSI HOSE SET



REL-60DA
D/A CRIMPING HEAD

The **REL-10-I-S/DA** is the perfect 10,000 psi power source, providing all the benefits of a double acting tool system, while complementing existing single acting tool inventories.

Power, function, and simplicity have been combined into this unique all in one hydraulic power system.

This system combines the power of a high pressure intensifier with the simplicity of a fixed position three way control valve.

When using the single acting connection:

REL-10-I-SA/D provides quick advance and retract for high pressure (10,000 psi) single acting spring return tools, without the need for additional H/P hoses, couplers or an in-line control valve.

When using the double acting connection:

REL-10-I-SA/D provides quick advance and retract for high pressure (10,000 psi) double acting tools, combined with the versatility and efficiency of a four way control valve.

SPECIFICATIONS

| | |
|-----------------------------------|---------------------------|
| HYDRAULIC SYSTEM | Open or Closed Center |
| MOTOR | Gear Driven |
| OPERATING PRESSURE | 1,400-2,000 psi |
| FLOW RANGE | 4-7 gpm |
| OPTIMUM OPERATING PRESSURE .. | 1,800 psi @ 6 gpm |
| OUTPUT - FAST ADVANCE MODE | 305 in. ³ /min |
| OUTPUT - HIGH PRESSURE MODE | 30 in. ³ /min |
| RELIEF VALVE SETTING | 4,000 - 10,000 psi |
| S/A HIGH PRESSURE PORT | 3/8 in. NPT |
| D/A HIGH PRESSURE PORT | 1/4 in. NPT |
| LOW PRESSURE INLET PORT | 3/8 in. NPT |
| LOW PRESSURE RETURN PORT | 3/8 in. NPT |

SPECIAL FEATURES

| | |
|------------------------------------|----------|
| HIGH PRESSURE COUPLERS | Included |
| ADJUSTABLE MOUNTING BRACKETS | Included |
| UL-BCA - MOUNTING BUCKET | Optional |

REL-10-I-S/DA

SINGLE / DOUBLE ACTING HIGH PRESSURE CONTROL SYSTEM

(4-WAY CONTROL VALVE REQUIRED
FOR D/A OPERATION)

PVA-00L3 SINGLE-ACTING CONTROL VALVE

DOUBLE ACTING HIGH PRESSURE CONNECTIONS

1/4" N.P.T.
PRESSURE PORT
FOR DOUBLE ACTING
TOOL CONNECTION

1/4" N.P.T.
RETURN PORT
FOR DOUBLE ACTING
TOOL CONNECTION

3/8" N.P.T.
SINGLE ACTING
HIGH PRESSURE
CONNECTION

The REL-10-I intensifier will increase line pressure to a maximum of 10,000 psi and is fully compatible with all high pressure hydraulic equipment.

The PVA-00L3 single-acting control valve, provides 3-way control (Advance, Neutral, and Retract) direct from the high pressure source.

Together this intensifier/valve package allows return oil to bypass the intensifier and return directly to the tank (return) line, increasing tool speed and performance.

REL-10-I INTENSIFIER

ADJUSTABLE
MOUNTING BASE

PRESSURE
3/8" F.N.P.T.

LOW PRESSURE PORTS
(TO POWER SUPPLY)

TANK
3/8" M.N.P.T.



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