

Superior performance of "Liquid Auto Changer" has been highly appreciated in the market of Asian countries and around the world at present.

KAGLA VAPORTECH CORPORATION

No.1 Reliability
Liquid Auto Changer

LIQUID AUTO CHANGER



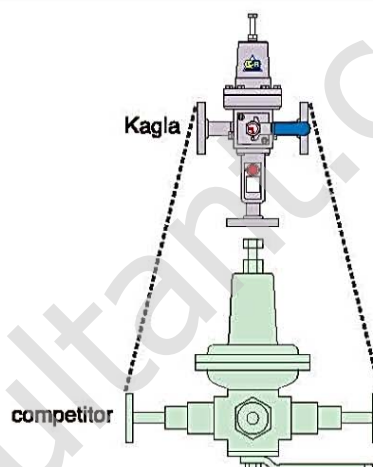


Compact Design

"LR" is micro Liquid Auto Changer which was developed by Kagla Japan technology.

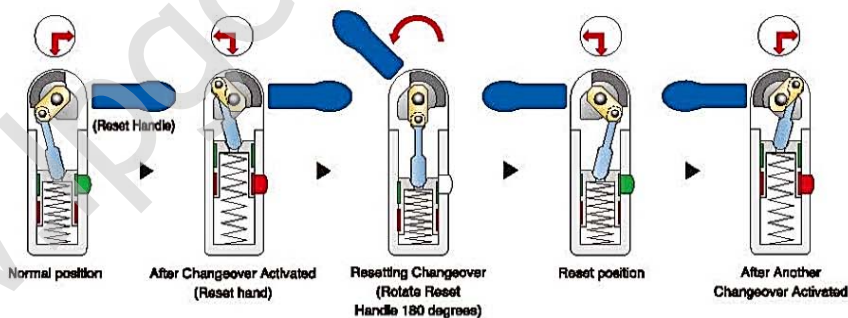
It's compact design with total width of (the size between flanges) only 215mm* which does not allow competition of other companies.

* Except for large-sized model



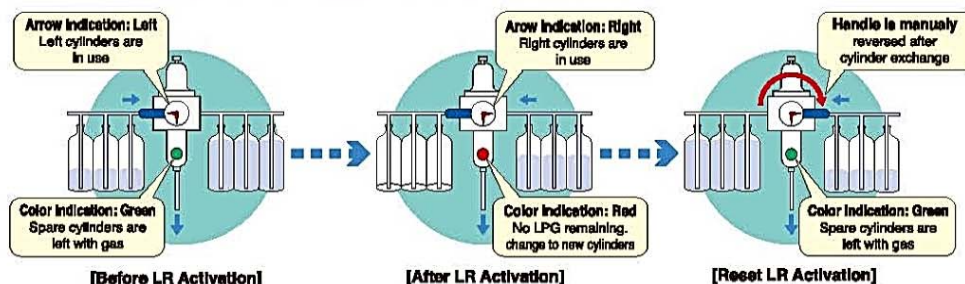
Accurate Operation by Original Mechanism

"LR" is made by high precision, high reliability, high durability by "Three-way Valve" and "Snap Reverse Mechanism" with dustproof and rainproof construction. The precise operation of Kagla "LR" has obtained high evaluation around the world.



Dual Indication by "Arrow" and "Color"

Red "Arrow" indicates which line is in use, and changeover activation status can be checked by "Color" indicator. Since line in use and operating status can be distinguished at a glance by the indicators. It is possible to replace cylinders correctly before short of gas.

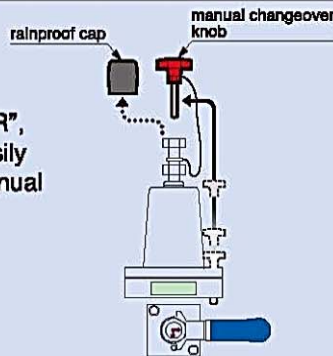


Various lineup

Kagla "LR" series respond to wide range changeover pressure from 0.05 to 0.34MPa. As we carry the model with manual changeover function and large-sized model which other companies do not have. Select best model for your facilities and usage by referring to model selection chart.

Model with manual changeover function

Even when performing cylinder exchange before operation of "LR", the series being used can be easily changed only by pushing the manual changeover knob.



Large-sized model

The advantage of high precision, high reliability, high durability and easy operation are maintained and responds to use of mass gas.

Possible to monitor changing situations remotely

Model with a signal transmitter switch, conveyance to centralized control panel and remote surveillance for changeover activation status by using telephone line is possible. All "LR" series correspond to transmitter function.

Explosion-proof signal transmitter switch (Built in a signal transmitter switch model)

Kagla original switch has explosion-proof structure, and possible to complete safety wiring work easily.

Type of Explosion-proof Construction: ExdII AT5

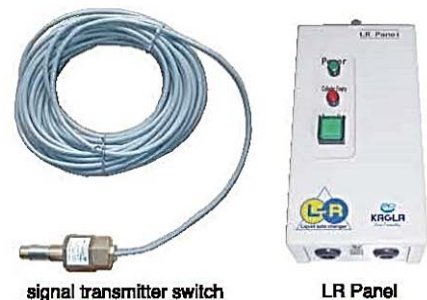
Contact Rating: AC100V, 0.1A/DC24V, 0.4A

LR Panel (optional)

Installing "LR" panel in the office, it notifies the change of "LR" detected by buzzer and lamp.

Dimension: W90xH170xD60(mm)

Power supply: AC100V, 50/60Hz

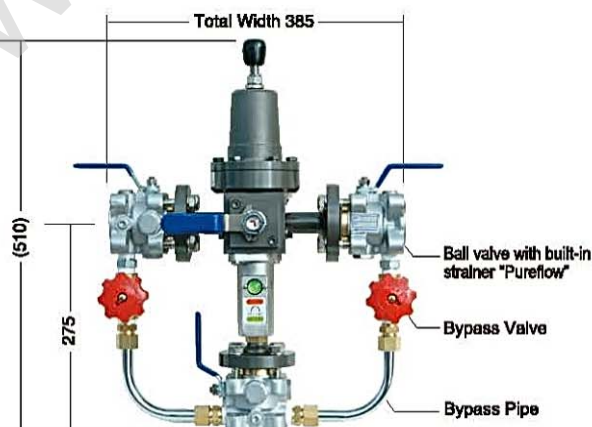


LR unit

LR unit is a compact unit with pre-installed bypass line. Minimization of total width is realized by equipping Kagla original "Pureflow" (the ball valve) to both inlet and outlet.

The maintenance of "LR Unit" can be performed without stopping the supply of LPG, and making the installation work easy.

All "LR" models except large-sized model are applicable for "LR unit".



* Picture is LRU-SF-M

Easy Local Maintenance




"LR" is not a complex structure. It is easy to perform periodic maintenance.



MODEL SELECTION CHART

LPG Volume	Change over Pressure	Compulsive Changeover Function	Signal Transmitter Function	Model	Category
300kg/h (Propane) 150kg/h (Butane)	Standard (0.05~0.18MPa)	NIL	NIL	LR-SF-I	Standard model
			○	LR-SSF-I	
		○	NIL	LR-SF-M-I	Model with manual changeover function
			○	LR-SSF-M-I	
	High (0.15~0.34MPa)	NIL	NIL	LR-SF-II	Standard model
			○	LR-SSF-II	
		○	NIL	LR-SF-M-II	Model with manual changeover function
			○	LR-SSF-M-II	
900kg/h (Propane) 300kg/h (Butane)	Standard (0.05~0.18MPa)	NIL	NIL	LR-LA-I	Large-sized model
			○	LR-SLA-I	
	High (0.15~0.30MPa)	NIL	NIL	LR-LA-II	
			○	LR-SLA-II	

PRODUCTS SPECIFICATIONS

Category		Standard model		Model with manual changeover function		Large-sized model	
Products							
Model	Standard	LR-SF-I	LR-SF-II	LR-SF-M-I	LR-SF-M-II	LR-LA-I	LR-LA-II
	With Signal Transmitter function	LR-SSF-I	LR-SSF-II	LR-SSF-M-I	LR-SSF-M-II	LR-SLA-I	LR-SLA-II
Capacity		300 kg/h (Propane) 150 kg/h (Butane)		300 kg/h (Propane) 150 kg/h (Butane)		900 kg/h (Propane) 300 kg/h (Butane)	
Changeover pressure		0.05~0.18MPa	0.15~0.34MPa	0.05~0.18MPa	0.15~0.34MPa	0.05~0.18MPa	0.15~0.30MPa
Liquid Inlet Size		JIS20K 20A		JIS20K 20A		JIS20K 25A	
Liquid Outlet Size		JIS20K 20A		JIS20K 20A		JIS20K 25A	
Size		W215xH425xD195mm		W215xH425xD195mm		W260xH445xD225mm	
Weight		13kg		13kg		14kg	

* All models are applicable for ANSI flange.

* Lower pressure model is available upon inquiries.