Deechoice Group



YOUR TRUE PARTNER

Best Prices
Best Services
Best Products
Best Solutions

"All in 1 Location"

จำหน่ายและติดตั้งอุปกรณ์ระบบ ก๊าซ ไฟฟ้า ลม ดับเพลิง

ระบบโรงงาน ระบบโรงแรม ระบบร้านอาหาร ระบบห้างสรรพสินค้า

Deechoice Group

18/18 หมู่ 9 ต.บึงคำพร้อย อ.ลำลูกกา จ.ปทุมธานี 12150

โทร: 02 1020117-8 แฟกซ์: 02 1020117 อีเมล: sales@dcbpartner.com

เว็บไซต์:www.dcbpartner.com ไลน์: @dcbpartner

Deechoice Group

ข้อมูลบริษัท

Dechoice Group - ดีชอยซ์ กรุ๊ป





Deechoice will provide and only provide high quality products & service to you

Deechoice - Your True Partner

Deechoice Group

ข้อมูลบริษัท

Dechoice Group - ดีชอยซ์ กรุ๊ป

มีความมุ่งมั่นบริการลูกค้าด้วยความเต็มใจ
รับรองคุณภาพสินค้า ราคา และ งานบริการอย่างมีประสิทธิภาพ

DeeChoice Group ได้ก่อตั้งโดยทีมงานทีมีประสบการณ์เพื่อตอบโจทย์ลูกค้าในด้านงานระบบแบบครบวงจรโดยเรามีบริษัทในเครือ 3 บริษัทซึ่งแบ่งการจัดการเพื่อเพิ่มประสิทธิภาพในการบริการลูกค้าแบบเต็มรูปแบบ

บริษัท ดีชอยซ์ บิสซิเนส พาร์ทเนอร์ จำกัด (DCB) ได้ก่อตั้งในปีพ.ศ. 2554 โดยเป็นผู้นำเข้าส่งออก จำหน่ายอุปกรณ์ สำหรับ ระบบอุตสาหกรรม

บริษัท ดีชอยซ์ อินสตอลเลชั่น แอนด์ เซอร์วิส (DCI) ได้ก่อตั้งในปีพ.ศ. 2560 โดยให้บริการลูกค้า ในการ แนะนำ ออกแบบ ติดตั้ง ซ่อมแซม ตรวจสอบ รวมถึงยื่นขออนุญาต ระบบก๊าซ ดับเพลิง ลม

บริษัท ดีชอยซ์ อิเล็คทริคอล ซิสเต็มส์ (DCE) ได้ก่อตั้งในปีพ.ศ. 2562 โดยให้บริการลูกค้าในการ แนะนำ ออกแบบ ติดตั้ง ซ่อมแซม ตรวจสอบ รวมถึงยื่นขออนุญาต ระบบไฟฟ้า รวมถึงประกอบตู้ไฟทุกชนิด

DeeChoice Group จึงมีความมุ่งมั่นมอบสินค้าและคุณภาพงานแบบครบวงจรด้วยทีมงานที่ได้มีการอบรมในเรื่องความปลอดภัยตั้งแต่ระดับ จป. หัวหน้างาน จนถึง จป. บริหาร เพื่อให้ลูกค้ามั่นใจว่าเราเน้นความปลอดภัยตั้งแต่การวางระบบ จนถึงการใช้งานที่มีความปลอดภัยสูง และทีมงานเรายังมีการอบรมต่างๆ เพื่อนำไปใช้ในการวางระบบต่างๆให้แก่ลูกค้า

ดังนั้นงานของเราทุกงาน เราจะใส่ใจและดูแลทั้งด้านความปลอดภัย คุณภาพงาน และ การรับประกันพร้อมการให้บริการหลังการขายให้แก่ ลูกค้า และลูกค้าสามารถมั่นใจได้ว่า งานที่ลูกค้าได้รับจากเราจะมีคุณภาพและปลอดภัยต่อการใช้งาน และ เรายังมีความมุ่งมั่นที่จะพัฒนาบุคลากร คุณภาพงานและความปลอดภัยอย่างต่อเนื่อง ลูกค้าสามารถมั่นใจได้ว่าเราจะไม่ทำให้ท่านผิดหวังในงานเรา

Deechoice will provide and only provide high quality products & service to you
Deechoice - Your True Partner

Deechoice Group

บริการเรา

บริษัท ดีชอยซ์ บิสซิเนส พาร์ทเนอร์ จำกัด (DCB) นำเข้า อุปกรณ์ระบบแก๊ส LPG & NG รวมถึงอุปกรณ์ระบบน้ำอุตสหกรรม โดยจำหน่ายออกต่างประเทศ และ ในประเทศไทย ซึ่งอุปกรณ์ของเราได้ถูกรับรองด้วยมาตรฐานสากล และ มาตรฐานไทย อีกทั้ง เป็นยี่ห้อที่ยอมรับ และ นิยมใช้ในไทยและต่างประเทศ อาทิ ยี่ห้อ

- *REGO จาก USA
- *MARSHAL จาก USA
- *FISHER จาก USA
- *ESLER จาก GERMANY
- *NOUVAFIMA จาก ITALY
- *WAWEL จาก POLAND
- *ITOKOKI จาก JAPAN
- *LANDIS+Gyr (AMPY) จาก Australia
- *HONEYWELL จาก USA
- *AMERICAN METER จาก USA
- *ROCHESTER จาก USA
- *KROM SCHRODER จาก GERMANY
- *PIETO FIORENTINI จาก ITALY
- *BIANCHI F.LLI จาก ITALY
- *MIYARI จาก JAPAN
- *EWOO จาก KOREA

บริษัท ดีชอยซ์ อินสตอลเลชั่น แอนด์ เซอร์วิส จำกัด (DCI) ออกแบบ ติดตั้ง ซ่อมบำรุง ตรวจสอบ และ ยื่นขอใบอนุญาตกับทางราชการ สำหรับ ระบบก๊าซ ดับเพลิง ลม โดยบริการเราจะครบคุมงานระบบ อาทิ เช่น

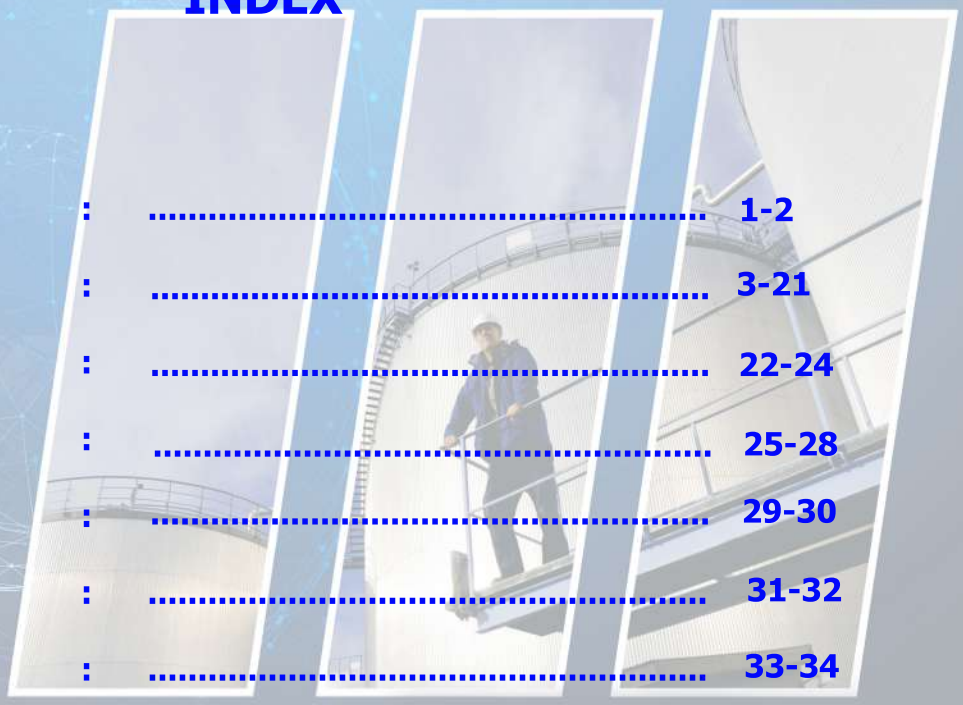
- งานติดตั้งระบบก๊าซ อาทิ เช่น LPG NG NITROGEN
- งานซ่อมแซมระบบท่อแก๊สและอุปกรณ์แก๊สต่างๆ
- งานติดตั้งระบบหม้อต้มทุกระบบ
- งานระบบถัง Bulk Tank เช่น 4.3 ตัน
- งานขออนุญาติและต่อใบอนุญาติ
- งานติดตั้งครัวสแตนเลส และ ระบบห้องเย็น

บริษัท ดีชอยซ์ อิเล็คทริคอล ซิสเต็มส์ จำกัด (DCE) ออกแบบ ติดตั้ง ซ่อมบำรุง ตรวจสอบ และ ยื่นขอใบอนุญาตกับทางราชการ สำหรับ ระบบไฟฟ้าทุกประเภท รวมถึงบริการ ออกแบบ ประกอบ ตู้ไฟ ตู้คอนโทรล และ ตู้ทุกประเภท

Deechoice will provide and only provide high quality products & service to you

Deechoice - Your True Partner

INDEX



Installation service & Profolio	:	1-2
REGO - LPG product	:	3-21
REGO - CRYOGENIC product	:	22-24
REGO - LNG product	:	25-28
Gas Meter product	:	29-30
Gas Leak Detector product	:	31-32
Vaporizer unit product	:	33-34
Solenoid Valve product	:	35-36
Pressure Gauge product	:	37-38
Thermometer Gauge product	:	39-40
Gas Filter product	:	41
Hose product	:	42
Ball Valve product	:	43
Check Valve product	:	44
LPG Pump product	:	45-46
Plastic product	:	47
Cylinder & Tank product	:	48

Deechoice Group

INSTALLATION SERVICES & PROFOLIO
งานบริการติดตั้งระบบ และ ผลงาน

Dechoice Group - ดีชอยซ์ กรุ๊ป



งานออกแบบ เขียนแบบระบบ ก๊าซ ไฟฟ้า ดับเพลิง ลม

งานเครื่องครัวสแตนเลส งานห้องเย็น

งานระบบก๊าซ

- ตรวจสอบ ทดสอบระบบ
- ระบบสถานีแบบไอระเหยจากถัง
- ระบบสถานี แบบระบบหม้อต้ม LPG 50Kg - 500kg
- ระบบสถานีแบบถัง Bulk LPG 3.5ตัน 4.3ตัน และ อื่นๆ

งานยื่นเอกสารทางราชการต่างๆ

งานระบบท่อน้ำ ดับเพลิง

งานระบบท่อส่ง Cooling Tower

งานระบบลม

งานเดินท่อส่ง ทุกชนิด ขนาด 1/2” - 10”

งานประกอบตู้คอนโทรล

งานประกอบตู้ไฟฟ้า

งานเดิน สายไฟ ภายใน และ นอกอาคาร

- งานเดินราง Wire Way ทุกขนาด
- งานไฟฟ้า single phrase และ 3 phrase
- งานติดตั้งตู้คอนโทรล
- งานไฟฟ้า คอนโทรล ทุก ประเภท

REFERENCE CUSTOMERS

BR GROUP, Central, Pure Foods, WP Energy, D.I.D, Suzuki, krungsri กรุงศรี, Robinson, Fameline Group, MinebeaMitsumi, Racer, Singha Estate, Electrolux Professional, Bumrungrad International, BGH โรงพยาบาลบ้านแพ้ว, เปาโล, Chula Chulalongkorn University, มหาวิทยาลัยมหิดล

ผลงานของเรา

งานห้องก๊าซ (สถานีก๊าซ)





งานระบบท่อก๊าซในอาคาร






งานทดสอบจาก THRID PARTY ร่วมกับเจ้าหน้าที่กรมธุรกิจพลังงาน
และขอใบอนุญาตจากกรมธุรกิจพลังงาน







ผลงานของเรา

งานสถานีก๊าซ ระบบธรรมดา






งานสถานีก๊าซ พร้อมระบบหม้อต้มก๊าซ





งานระบบ LPG ถังเบาท์ 4.3 ตัน พร้อมระบบหม้อต้ม





ผลงานของเรา

งานระบบไฟฟ้าภายนอกอาคาร และ ในอาคาร










งานประกอบตู้คอนโทรล






อุปกรณ์เรา



REGO MADE IN THE USA · MEC · elster American Meter · krom schroder · American Meter Company Measurement Engineers Since 1836 · BIANCHI F.lli S.p.A. Rubinetteria · ROCHESTER GAUGES INT. · Landis Gyr manage energy better · MADAS · KITZ · NUOVA FIMA · I·T·O Corporation · MIYAIRI VALVE · FISHER · WAWEL · Pietro Fiorentini

Gas Valve / อุปกรณ์วาล์วแก๊ส

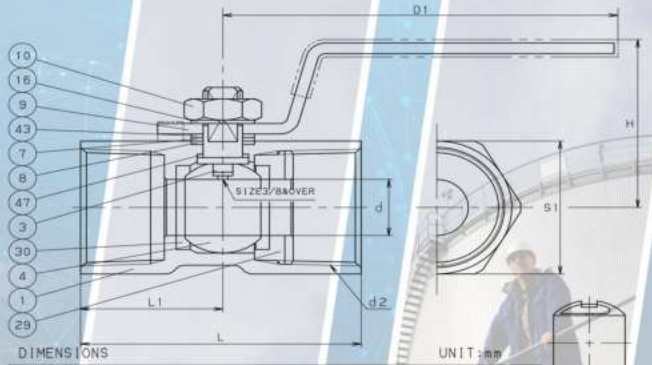


บอลวาล์ว

KITZ







DIMENSIONS UNIT:mm

NOMINAL SIZE	d	H	D1	L	d2	S1	L1
1/8	4.5	31	60	32	Rc 1/8	16	16
1/4	4.5	31	60	39	Rc 1/4	17	19
3/8	6.8	36	70	44	Rc 3/8	21	21
1/2	9.2	41	85	56.5	Rc 1/2	25	27.5
3/4	12.5	44	85	59	Rc 3/4	32	30
1	16	48	100	71	Rc 1	38	36
1.1/4	20	54	100	78	Rc 1.1/4	49	40
1.1/2	24.5	65	125	83	Rc 1.1/2	53	42.5
2	32	72	125	100	Rc 2	67	51

NOTE (1) DEZINCIFICATION RESISTANT BRASS.
(2) Cr PLATING.
(3) PLASTIC COVERING.
(4) VALVE SIZE IDENTIFICATION.
(5) DON'T USE FOR FLAMMABLE GAS OR TOXIC GAS.

BRIACHI FRATTELI



Gas Ball Valve PN40

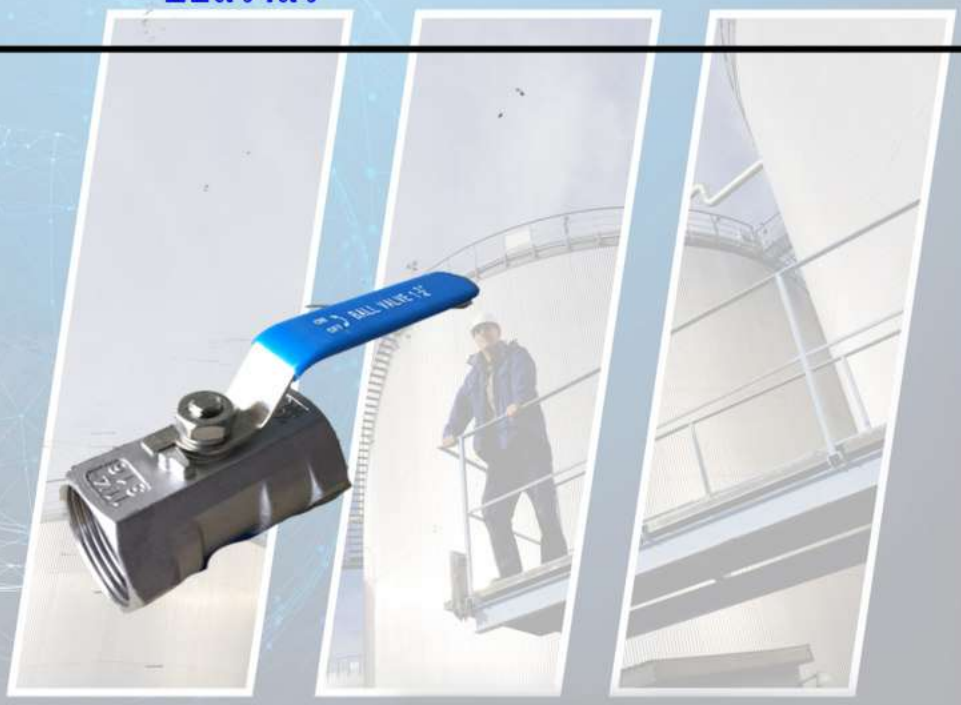
- Full bore
- With T-handle or lever handle
- Approval acc. to EN331

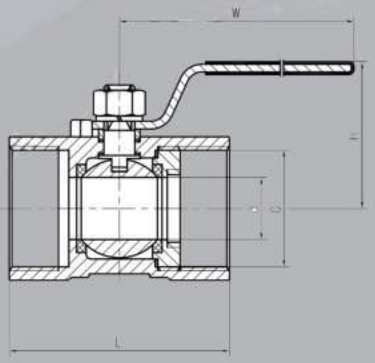
Ball valve PN40 FxF lever handle

Article Nr.	Connection
09160011	1/4“
09160012	3/8“
09160013	1/2“
09160014	3/4“
09160015	1“
09160016	1 1/4“
09160017	1 1/2“
09160018	2“

บอลวาล์ว

PIONEER





Notes

1. **Design and Manufacture GB/T 12237**
2. **Face- to - Face MFR' STD**
3. **Thread ends BSPT**
4. **Inspection and Test GB/T 26480**
5. **Psi: 1000WOG**
6. **Body: Stainless Steel**

DN	d	G	L	H	W
6	5	BSPT 1/4"	40	32	70
10	7	BSPT 3/8"	44	33	70
15	9	BSPT 1/2"	56	41	90
20	12	BSPT 3/4"	59	42	90
25	15	BSPT 1"	71	48	120
32	20	BSPT 1-1/4"	76	58	120
40	25	BSPT 1-1/2"	83	60	142
50	32	BSPT 2"	107	72	145
80	50	BSPT 3"	150	115	180

Globe วาล์ว

REGO


A7517FP

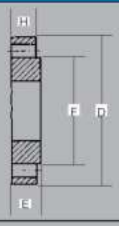

A7517AP


A7513AP


A7505AP

Part Number				Inlet and Outlet Connection	Port Diameter	Flow at 1 PSIG Pressure Drop (Cv) (GPM/ Propane)***		Accessories	
Buna N Seat Discs		Teflon Seat Discs*						Hydrostatic Relief Valve	Vent Valve
Globe	Angle	Globe	Angle			Globe	Angle		
-	-	TA7034P	TA7034LP	½" F. NPT	¾"	10.0	14.8	SS8001U	TSS3169
A7505AP	A7506AP	TA7505AP	TA7506AP	¾" F. NPT		12.0	17.7		
A7507AP	A7508AP	TA7507AP	-	1" F. NPT	1"	17.8	22.0		
A7509BP	A7510BP	TA7509BP	TA7510BP	1¼" F. NPT	1¼"	36.5	54.0		
A7511AP	A7512AP	TA7511AP	TA7512AP	1½" F. NPT	1½"	43.0	55.5		
A7511FP	-	TA7511FP	-	1½" Flange**		46.0	-		
A7513AP	A7514AP	TA7513AP		2" F. NPT	2"	75.0	88.5		
A7513FP	A7514FP	TA7513FP	TA7614FP	2" Flange**		78.0	133.0		
A7517AP	A7518AP	TA7517AP	-	3" F. NPT	3⅛"	197.0	303.0		
A7517AP	A7518FP	TA7517FP	-	3" Flange**					

Flange Dimensions

	Valve Number (A or TA Prefix)	Size	Flange Drilling	D	E	F	H
	7511FP	1½"	⅞" Bolt Holes on a 4½" Bolt Circle Diameter	6⅛"	13/16"	2⅞"	¾"
	7513FP	2"	¾" Bolt Holes on a 5" Bolt Circle Diameter	6½"	⅞"	3⅝"	13/16"
	7514FP						
	7517FP	3"*	⅞" Bolt Holes on a 6⅝" Bolt Circle Diameter	8¼"	1⅛"	5"	1 1/16"
	7518FP						

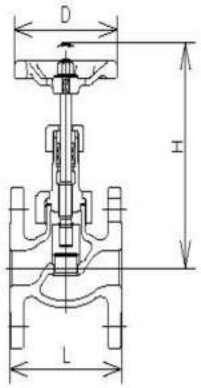
Globe วาล์ว

HITACHI



Product Code M20KFG | **20K** | **Globe Flanged**

Product Name	Material	Remarks
Body	FCD-S	
Cover	FCD-S	
Stem	SUS403	
Disc	SUS403	Hard facing
Seat ring	SUS403	Hard facing
Handwheel	FCMB340	Color: Brown / Nominal diameter: 10-40A
	FCD450	Color: Brown / Nominal diameter: 50A
Gasket	H1215	
Gland Packing	H350+H2200	

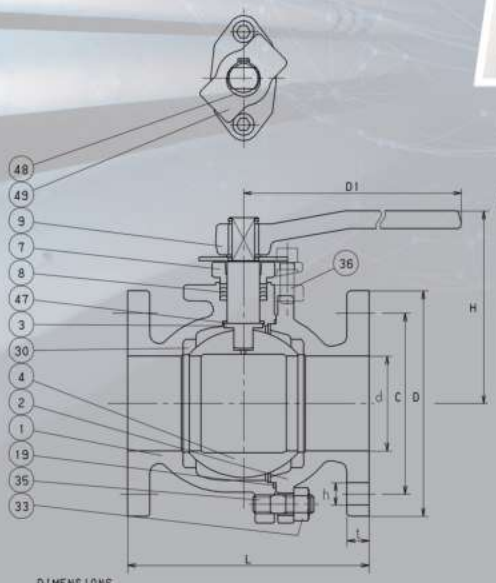


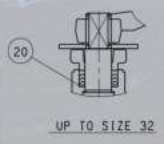
Nominal diameter (A)	10	15	20	25	32	40	50
L	100	110	120	130	160	180	230
H	125	135	145	170	180	195	225
D	80	80	100	120	120	140	180

Globe วาล์ว

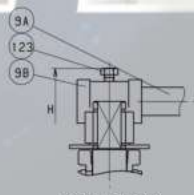
KITZ



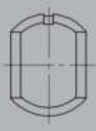




UP TO SIZE 32



SIZE 150 OVER



SIZE 80A 125

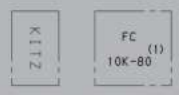


SIZE 150A OVER

DIMENSIONS UNIT:mm

NOMINAL SIZE						END FLANGE							
							BOLT HOLE			BOLT			
mm	in.	d	H	D1	L	D	C	NO.	h	SIZE	t		
15	1/2	15	102	130	110	95	70	4	15	M12	16		
20	3/4	20	105	130	120	100	75	4	15	M12	18		
25	1	25	124	160	130	125	90	4	19	M16	18		
32	1. 1/4	32	130	160	140	135	100	4	19	M16	20		
40	1. 1/2	40	115	230	165	140	105	4	19	M16	20		
50	2	50	120	230	180	155	120	4	19	M16	20		
65	2. 1/2	65	155	400	190	175	140	4	19	M16	22		
80	3	80	165	400	200	185	150	8	19	M16	22		
100	4	100	200	460	230	210	175	8	19	M16	24		
125	5	125	220	460	300	250	210	8	23	M20	24		
150	6	150	295	1000	340	280	240	8	23	M20	26		
200	8	200	355	1500	450	330	290	12	23	M20	26		

NOTE (1) VALVE SIZE (mm) IDENTIFICATION.



ONE SIDE THE OTHER SIDE
MARKING ON THE BODY

NO	NAME OF PARTS	QTY	MATERIALS	SPECIFICATIONS
				JIS SPEC
1	BODY	1	CAST IRON	FC200
2	BODY CAP	1	CAST IRON	FC200
3	STEM	1	STAINLESS STEEL	SUS403
4	BALL	1	STAINLESS STEEL	SCS13A OR SUS304 OR SUS304TP
7	GLAND	1	DUCTILE IRON	FCD400-15
8	GLAND PACKING	1S	PTFE	
9	HANDLE	1	DUCTILE IRON	FCD400
9A	HANDLE BAR	1	CARBON STEEL	SGP
9B	HANDLE HEAD	1	DUCTILE IRON	FCD400
19	GASKET	1	PTFE	
20	PACKING WASHER	1	STAINLESS STEEL	SUS304 (SIZE 15-32)
30	BALL SEAT	2	*□PTFE □HYPATITE PTFE □C/F PTFE	
33	CAP NUT	1S	CARBON STEEL	SS400
35	CAP BOLT	1S	CARBON STEEL	SS400
36	GLAND BOLT	1S	CARBON STEEL	SCM435
47	THRUST WASHER	1	G/F PTFE	
48	SNAP RING	1	CARBON STEEL	SK5
49	STOPPER	1	STAINLESS STEEL	SUS430
123	HANDLE BOLT	1	CARBON STEEL	SS400
			1S=1 SET	

(2) *□1S STANDARD. □1S AVAILABLE AS AN OPTION.
*■OR ■1S APPLIED ITEM IN THIS JOB.

TEST PRESSURE	HYDROSTATIC	SHELL 2.06 MPa (21 kgf/cm²)	SEAT MPa (kgf/cm²)
	AIR	MPa (kgf/cm²)	0.59 MPa (6 kgf/cm²)
STANDARD	FACE TO FACE OR END TO END	KITZ STANDARD	
	END CONNECTION	JIS B2239 10K	
	WALL THICKNESS	KITZ STANDARD	
FIGURE		10FCTB	

10K CAST IRON
BALL VALVES

FULL BORE. FLANGED ENDS.

DATE APPD	JULY. 19' 00	DRAWING NO	
APPD BY	Y. HASHIOKA		
CHKD BY	Y. SATO	935-A20003	
DSGND BY	K. TAKAHASHI	REV-05	
DRAWD BY	K. KOIKE		

MARK	DATE	BY

"Your Truth Partner In Gas"

Supply LPG Equipment & Installation Services

Check Valve/วาล์วกันย้อน

ITOKOKI



Check Valve - วาล์วเปิด-ปิดกันย้อน

Type: BVC-06

Size: 1/4 DN10

Max Inlet Pressure: 250 Psi

Made in Japan

MIYARI



Check Valve - วาล์วเปิด-ปิดกันย้อน

Type: MSA -8CS

Size: 1/4 DN10

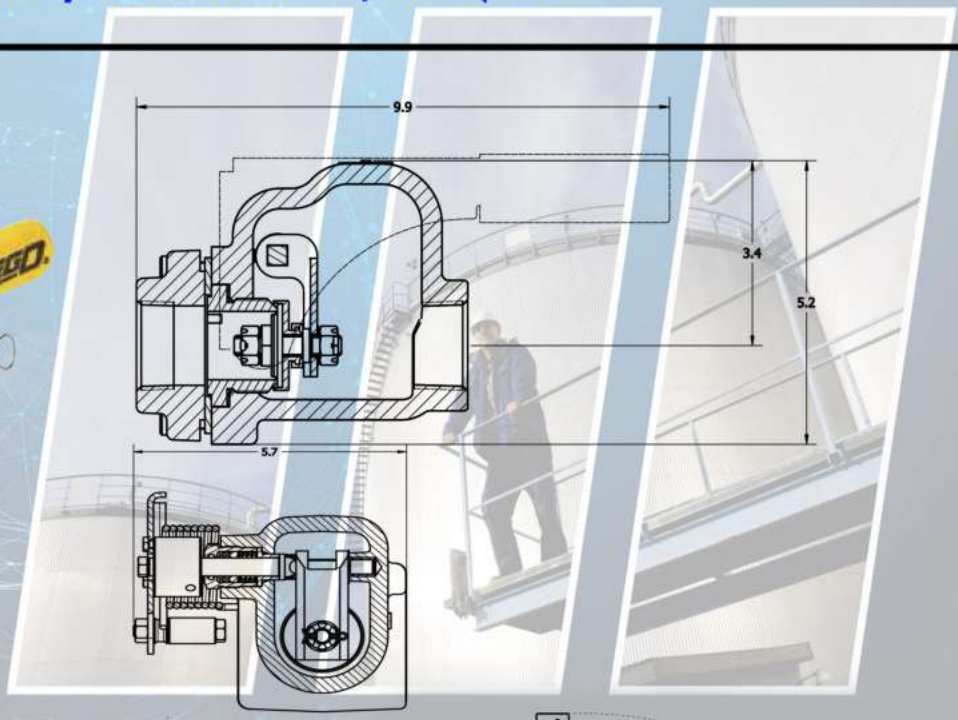
Max Inlet Pressure: 250 Psi

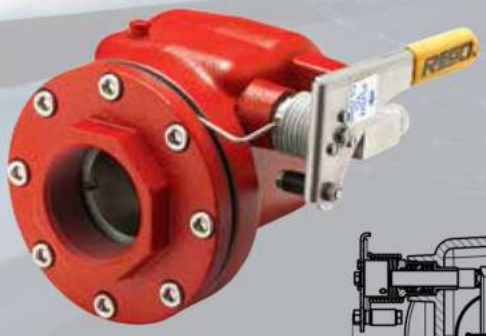
Made in Japan

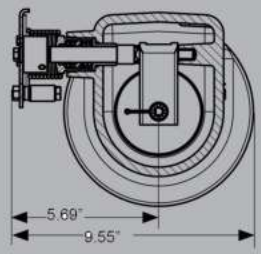
Emergency Shut Off Valve/วาล์วฉุกเฉิน

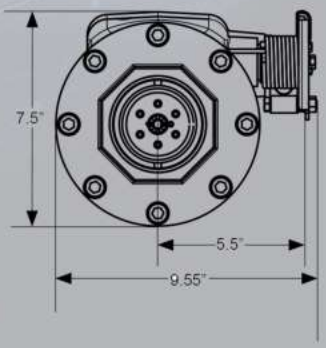
REGO

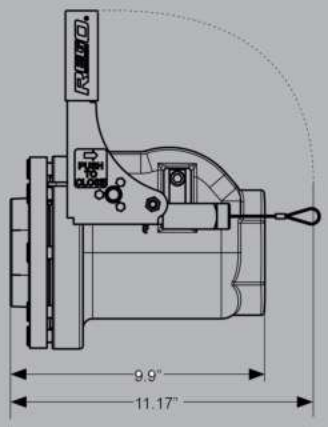












Ordering Information

Part Number	For Use With	Inlet and Outlet Connections	Accessories		Liquid Flow Capacity @ 10 PSIG Pressure Drop (GPM)
			Remote Pneumatic Close	Remote Pneumatic Open/Close	
6010	LP-Gas	1¼" F. NPT	6016-60D	6016-60C	259
AA6010	NH_3	1¼" F. NPT			233

Part Number	For Use With:	Inlet and Outlet Connections	Liquid Flow Capacity at 10 PSIG Drop (GPM)
6016	LP-Gas	2" F-NPT	711 (LP-Gas)
AA6016	NH_3	2" F-NPT	640 (NH_3)
6024	LP-Gas	3" F-NPT	1325 (LP-Gas)
AA6024	NH_3	3" F-NPT	1173 (NH_3)

Emergency Shut Off Valve/วาล์วฉุกเฉิน

FISHER



Specifications

The Specifications table lists specifications for the Types N551 and N851 valve which is designed for butane, propane or NH_3 service at ambient temperatures. Contact your local Sales Office if the valve is to be used on any other service, fluid, compressed gas or temperature condition.

TYPE	BODY SIZES, NPS*	PROPANE FLOW AT 2 psi / 0.14 bar DIFFERENTIAL, GPM / l/min
N551-10, N851-10, N851K-10(1)	1-1/4 FNPT	150 / 568
N551-16, N851-16, N851K-16(1)	2 FNPT	295 / 1117
N551-24, N851-24, N851K-24(1)	3 FNPT	850 / 3127

Maximum Inlet Pressure: 400 psig / 27.6 bar(2) **Temperature Capabilities:** -20 to 160°F / -29 to 71°C

1. FFKM (Kalrez®) gasket and seals.
2. The pressure limits in this Instruction Manual and any applicable standard or code limitation should not be exceeded.

* Nominal Pipe Size.

Emergency Shut Off Valve/วาล์วฉุกเฉิน

MARSHAL



Emergency Shutoff Valve Features

- Powder coated ductile iron body with cast hexagonal ends for maximum durability and ease of installation
- Integral swing away check valve with soft seat to promote maximum product flow and minimize product loss in the event of a line failure
- All stainless steel internal component construction provides maximum corrosion resistance
- Provides clear visual indication if valve is open / closed
- UL LISTED for use with LP Gas and Anhydrous Ammonia - 400 PSI WOG
- Integral fusible element for automatic closure when exposed to fire
- Durable Teflon® packing gland and resilient seals provide long lasting service life
- Available with pneumatic or cable style latch mechanism

Part No.	Description	Latch Type	OAL
ME980-6	3/4" FNPT Emergency Shutoff Valve (ESV)	Pneumatic	4-3/4"
ME980-8	1" FNPT Emergency Shutoff Valve (ESV)	Pneumatic	4-3/4"
ME980C-6	3/4" FNPT Emergency Shutoff Valve (ESV)	Cable	4-3/4"
ME980C-8	1" FNPT Emergency Shutoff Valve (ESV)	Cable	4-3/4"

Safety Valve/วาล์วแก๊สนิรภัย

REGO

Application

Designed for use as a supplementary relief valve on small ASME above ground and underground containers. They may also be used as a primary or secondary relief device on DOT cylinders, or as hydrostatic relief valves.

All working components of these relief valves are outside the container connection, so the valves must be protected from physical damage.



3127 Series

Features

- "Pop-action" design keeps product loss at a minimum.
- Relief valve designed to automatically reseat firmly after discharge.
- Resilient seat disc provides a "bubble-tight" seal.

Materials

Body ..... Brass
Spring ..... Stainless Steel
Seat Disc ..... Resilient Rubber

Ordering Information

Part Number	Container Type	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Wrench Hex Section	Flow Capacity SCFM/ Air		Suitable for Tanks w/Surface Area Up To:*	Accessories		
						UL (At 120% of Set Pressure)	REGO® Rated at 480 PSIG***		Protective Cap	Pipeaway Adapter	
										Part Number	Outlet Size
3127G	ASME	250	¼"	1 31/32"	⅞"	295	-	-	7545-40	-	
3129G			½"	2 19/32"	1⅛"	465				3129-10	½" F. NPT
3127K	DOT	375	¼"	1 31/32"	⅞"	-	450	100 lbs./Propane		-	
3129K			½"	2 19/32"	1⅛"		780	200 lbs./Propane		3129-10	½" F. NPT

* Flow rates shown are for bare relief valves. Adapters and pipeaways will reduce flow as discussed in forewording information.

** Not UL or ASME rated. REGO® rated at 480 PSIG.

*** Meets DOT requirements.

Safety Valve/วาล์วแก๊สนิรภัย

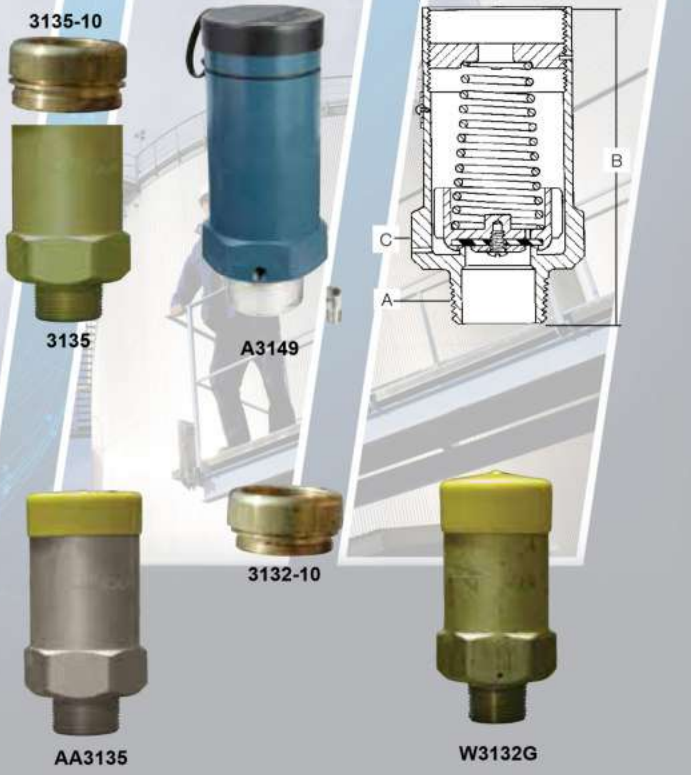
REGO

Application

Designed for use as a primary relief valve on ASME above ground and underground containers, bulk plant installations and skid tanks. The 3131 Series may also be used as a primary or secondary relief valve on DOT cylinders, or as a hydrostatic relief valve. All working components of these relief valves are outside the container connection, so the valves must be protected from physical damage.

Features

- "Pop-action" design keeps product loss at a minimum.
- Relief valve designed to automatically reseat firmly after discharge.
- Resilient seat disc provides "bubble-tight" seal.
- 3149 relief valves incorporate integral pipeaway adapter with break off groove that protects the valve from piping stress damage.
- Optional pipeaway adapters have grooves that will break off to protect the relief valve from damage should excess stress be applied to the piping.
- 3149 relief valves include weep hole deflectors, installed to guard against flame impingment on adjacent containers.
- Most are ASME rated for use with LP-Gas and anhydrous ammonia.



Materials

Description	3131, 3132, 3133, 3135	AA3126 AA3130	AA3135	A3149
Body	Brass	Aluminum Rod*		Upper Cold Rolled Steel Lower Ductile Iron
Liner	None			Stainless Steel
Spring Guide	Brass	Aluminum		Stainless Steel
Spring	Corrosion Resisant Steel	Stainless Steel	Stainless Steel or Coated Steel	
Seat Disc	Resilient Synthetic Rubber			

Ordering Information

Part Number	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Wrench Hex Section	Flow Capacity SCFM/Air (a) UL (At 120% of Set Pressure)	Flow Capacity SCFM/Air (a) ASME (At 120% of Set Pressure)	Suitable for Tanks w/Surface Area Up To: (e)	Accessories: Protective Cap	Accessories: Part Number	Accessories: Outlet Size	Accessories: Weep Hole Deflector
AA3126L030	30	½"	2⅜"	⅞"	(b)	-	-	7545-40	AA3126-10	½" M. NPT	-
A3149L55	55	2½"	10½"	4⅛"	2608(c)	-	113 Sq. Ft.	3149-40	(h)		Included (j)
A3149L200	200				8770 (c)	-	500 Sq. Ft.				
AA3126L250	250	½"	2⅜"	⅞"	277 (c)	-	23 Sq. Ft. (f)	7545-40	AA3126-10	½" M. NPT	-
3131G		¾"	3 7/16"	1¾"	2060	1939	85 Sq. Ft.	3131-40 (g)	-		
AA3130UA250					2045	1838	249 Sq. Ft. (f)	AA3130-40P	AA3131-10	1" F. NPT	
W3132G		1"	6 1/32"	2⅜"	3340	-	154 Sq. Ft.	3132-54 (g)	3132-10	1¼" F. NPT	3133-11
3132G		1¼"			4130	-	200 Sq. Ft.		-		
T3132G					3790	-	180 Sq. Ft.		3132-10	1¼" F. NPT	
MV3132G					3995	-	190 Sq. Ft.		-		
3135G			5 21/32"	2 11/16"	5770	-	300 Sq. Ft.	3135-54 (g)	3135-10	2" F. NPT	
AA3135UA250			6 13/32"		6430	6341	1010 Sq. Ft. (f)	AA3135-0PR	AA3135-10		
3133G		1½"	5 15/16"	3⅛"	6080	-	320 Sq. Ft.	3133-40 (g)	3133-10		
A3149G		2½"	10½"	4⅛"	10390	9153	613 Sq. Ft.	3149-40	(h)		Included (j)

Safety Valve/วาล์วแก๊สนิรภัย

REGO

Application

9400 series relief valves are specifically designed for vapor line safety relief applications and cryogenic liquid containers.

Features

- All valves are cleaned and packaged for oxygen service per CGA G-4.1.
- Bubble tight at 95% of set pressure.
- Easy to read color coded psig / bar labels.
- Tamper resistant
- Adapters provide standard pipe thread connections for venting gas to the outdoors.
- Repeatable performance.
- 100% factory tested.
- Temperatures Range -320° to +165° F. (-196°C to +74°C)
- Rated for gas service only, not liquid.

Materials SS Style

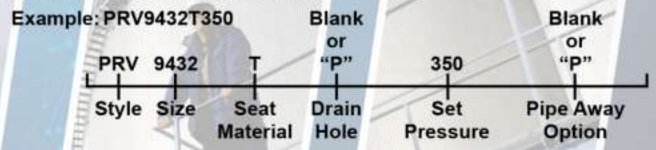
Body	Stainless Steel
Spring	Stainless Steel
Seat Retainer	Stainless Steel
Pipe-Away Adapter	Stainless Steel

Materials PRV and B-Style

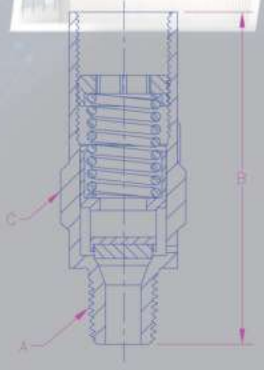
Body	Brass
Spring	Stainless Steel
Seat Retainer	Brass
Pipe-Away Adapter	Brass

Ordering Information

Fill in the blanks with options below.



This example part number indicates a ¼" M.NPT PRV style brass relief valve with PTFE seat, set at 350 PSIG with drain hole and no pipe away adapter.





Ordering Information

Style	Size	Inlet M.NPT A	Body and Valve Material	Pressure Setting Range PSIG	Height B	Wrenching Hex C	Orifice Size Sq. Inch	Pipe-Away Adapter P/N	Pipe-Away Outlet F.N.P.T.
PRV	9432	¼"	Brass	17-600	2.6"	⅞"	.062	B-9412-2	⅜"
SS	9432	¼"	Stainless Steel	17-600	2.6"	⅞"	.062	SS-9412-4	½"
PRV	9433	⅜"	Brass	17-600	2.6"	⅞"	.062	B-9412-2	⅜"
SS	9433	⅜"	Stainless Steel	17-600	2.6"	⅞"	.062	SS-9412-4	½"
PRV	9434	½"	Brass	17-600	2.8"	⅞"	.062	B-9412-4	½"
SS	9434	½"	Stainless Steel	17-600	2.8"	⅞"	.062	SS-9412-4	½"
B-	9425	¾"	Brass	50-300	3.4"	1¾"	.43	B-3131-10	1"
B-	9426	1"	Brass	75-300	5.5"	2⅜"	.62	B-3132-10	1¼"

Back Check Valve/วาล์วกันย้อน

REGO

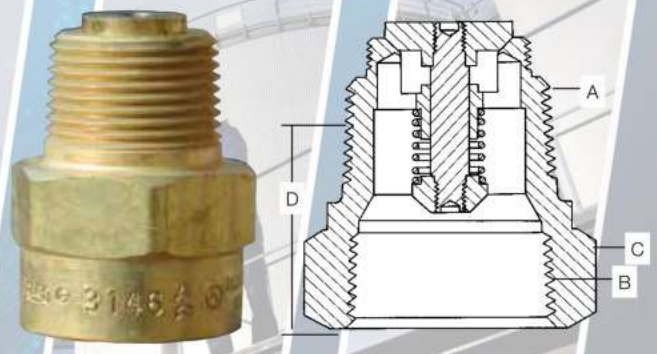
Application

Designed to provide protection of a container opening when desired flow is always into the vessel. May be used in line applications where flow must be limited to one direction.

When used with the appropriate single check filler valve, the combination forms a double check filler valve suitable for use in filling of bulk storage tanks.

Features

- Generous flow channels for low pressure drop.
- Heavy-duty construction for long service life.
- Soft seat valves have synthetic rubber seat disc for positive seals.



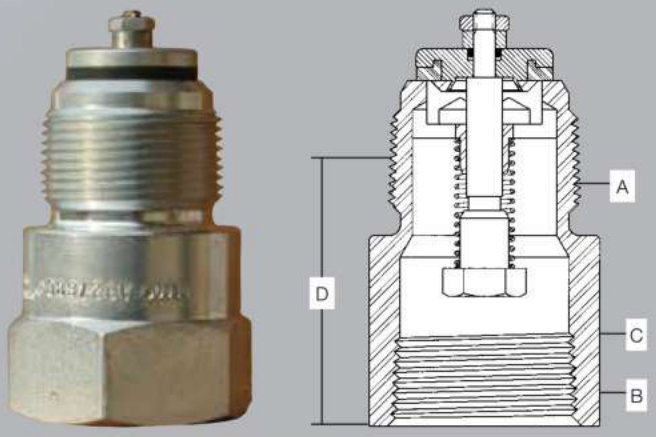
3146 Series, 3176 Series, A3186, A3196

Materials

Body (3146, 3146S, 3176)	Brass
Body (all others)	Cadmium Plated Steel
Disc (3146, 3146S, 3176)	Brass
Disc (all others)	Cadmium Plated Steel
Stem (3146, 3146S, 3176)	Brass
Stem (A3146, A3196, A3276BC)	Stainless Steel
Stem (A3176, A3186)	Cadmium Plated Steel
Spring	Stainless Steel
Seat Disc (3146S, A3276BC)	Synthetic Rubber



A3187S



A3276BC

Ordering Information

Part Number		A Inlet Connection F. NPT	B Outlet Connection M. NPT	C Wrench Hex Flats	D Effective Length (approx.)	Propane Liquid Capacity at various differential pressures (GPM)			
Brass	Steel					5 PSIG	10 PSIG	25 PSIG	50 PSIG
3146	A3146	3/4"	3/4"	1 3/8"	1 15/16"	11	16	25	36
3146S*									
3176	A3176	1 1/4"	1 1/4"	2"	1 3/8"	28	40	63	89
	A3276BC*				2 1/2"	32	45	73	103
	A3186	2"	2"	2 7/8"	2 7/16"	124	175	276	391
	A3187S*	2" M & 1 1/4" F	2" M & 1 1/4" F	2 3/8"	4 3/8"	60	110	225	350
	A3196	3"	3"	4"	3 15/16"	297	420	664	939

Excess Flow Valve/วาล์วคุมอัตราการไหล

REGO

Application

Designed for liquid or vapor use for filling, withdrawal and vapor equalizing in container or line applications. They are intended for long lines or branch piping where tank-mounted excess flow valves are inadequate.

Features

- Precision machined.
- Generous flow channels provide low pressure drop.
- Stainless steel spring provides consistent closing flow and long service life.



Typical Installation

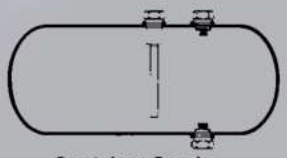
Materials

Series 3272, 3282, 3292, 7574, 12472

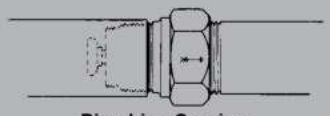
Body	Brass
Seat Disc	Brass
Stem	Brass
Spring	Stainless Steel
Guide (12472 ONLY)	Plastic

Series A3272, A3282, A3292

Body	Cadmium Plated Steel
Seat Disc	Cadmium Plated Steel
Stem	Cadmium Plated Steel
Spring	Stainless Steel



Container Service



Pipe Line Service

Ordering Information

Part Number	Brass or Steel	A Inlet Connection (M. NPT)	B Outlet Connection (F. NPT)	C Wrench Hex Flats	D Effective Length (Approx.)	Approximate Closing Flow*		
						Liquid (GPM Propane)	Vapor SCFH (Propane) 25 PSIG Inlet	Vapor SCFH (Propane) 100 PSIG Inlet
12472	Brass	¾"	¾"	1⅜"	1⅜"	4	1,050	1,700
3272E						10	2,100	3,700
3272F						15	2,800	5,000
3272G						20	3,700	6,900
A3272G	Steel							
3282A	Brass	1¼"	1¼"	2"	1¹⁵⁄₁₆"	30	5,850	10,000
3282B						40	7,600	13,600
3282C						50	9,000	16,300
A3282C	Steel							
7574	Brass	1½"	1½"	2¼"	1¾"	90	15,200	28,100
7574L						70	14,000	25,000
3292A	Brass	2"	2"	2⅞"	1⅞"	75	14,200	24,800
A3292A	Steel							
3292B	Brass					100	18,100	32,700
A3292B	Steel							
A3292C						122	22,100	37,600

Filler Valve/วาล์วเติม

REGO



3174C

3194C, 6584C



Seal cap made of tough, resilient molded plastic. Protects threads and internal working parts. Caps are designed to contain normal tank pressures, and must be kept on valves at all times.

Long-wearing gasket permits hand-tight connection of cap and hose coupling.

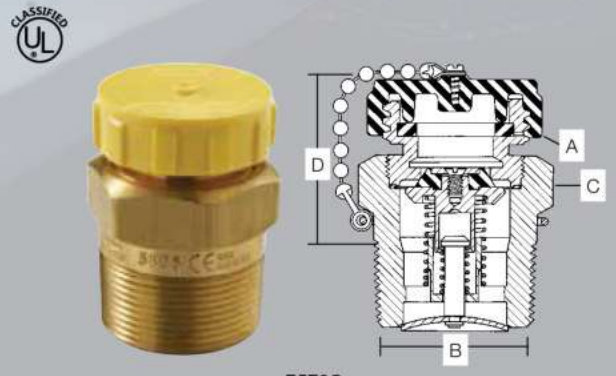
Seat disc of special synthetic composition is extra thick for longer life.

Valve guide is precision machined to assure positive seal.

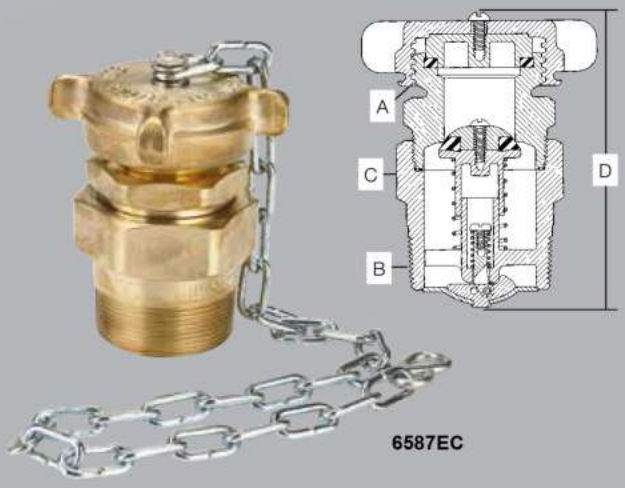
Spare Gasket Ordering Information

ACME	Part Number
1¼"	A2797-20R
1¾"	A2697-20R

Part Number	ACME Hose Connection	Outlet Connection M. NPT	Wrench Hex Flats	Propane Liquid Capacity at Various Differential Pressures (GPM)				For Use With Back Check Valve:
				5 PSIG	10 PSIG	25 PSIG	50 PSIG	
3174C	1¾"	1¼"	1¾"	23	33	52	74	3176
6584C*	2¼"	2"	2⅜"	156	220	348	492	A3186
3194C	3¼"	3"	3½"	147	208	329	465	A3196



7579S



6587EC

Part Number	A. ACME Hose Connection	B. Tank Connection M. NPT	C. Wrench Hex Flats	D. Effective Length (Approx.)	Propane Liquid Capacity at Various Differential Pressures (GPM)				
					5 PSIG	10 PSIG	25 PSIG	50 PSIG	75 PSIG
7579S	1¾"	1½"	2"	2¹¹⁄₁₆"	44	62	98	139	170
6587EC*	2¼"	2"	2⅞"	4⅜"	92	130	206	291	356
3197C	3¼"	3"	4"	6½"	148	210	332	470	575

Gas Regulator / หัวปรับแรงดันแก๊ส

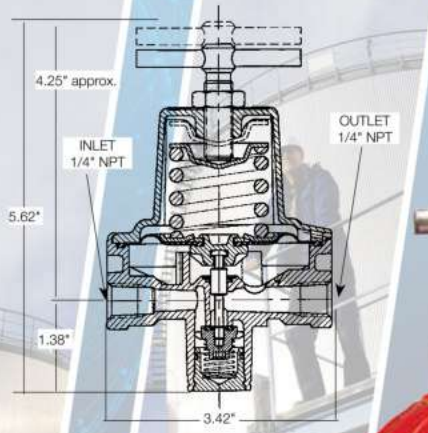


Hi Pressure Regulator/หัวปรับแรงดันสูง

REGO

Application

Designed to reduce propane gas container pressure down to between 3 and 100 PSIG. Ideal for liquid or vapor service, they can be used in a variety of applications including salamander heaters, weed burning torches, fish cookers, tar pot heaters, and other industrial type services.





Features

- Provides high capacity performance at a reasonable price.
- Suitable for both liquid and vapor service.
- Compact design provides for easy installation.
- Negative or indirect acting design provides for excellent performance when needed most – in cold weather, when tank pressures are lowest and system demands are highest.
- Consistent delivery pressure, especially in cold weather, helps assure maximum performance from the second stage regulator.
- Can be readily fitted with a pressure gauge in the 1/4" F.NPT port.
- Molded diaphragm provides an o-ring like seal between the body and the bonnet.
- Fully painted in brilliant red for complete corrosion protection.
- Available in four adjustable ranges for maximum performance.
- Bonnet and body are assembled in the USA using the unique, patented RegULok™ Seal System.

Materials

Body	Zinc
Bonnet	Zinc
Springs	Steel
Valve Seat Discs	Resilient Rubber
Diaphragms	Integrated Fabric and Synthetic Rubber
Adjusting Screw	Brass

Ordering Information

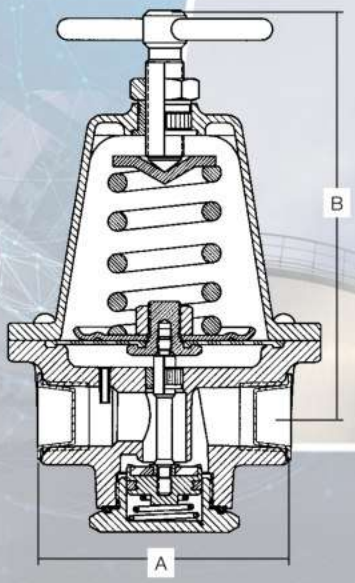
Part Number	Adjustment Method	Inlet Connection	Outlet Connection	Recommended Delivery Pressure Range (PSIG)	Capacity Determined at Set Pressure of PSIG*	Capacity BTU/hr. Propane**
597FA	Tee Handle	¼" NPT	¼" NPT	1-15	10	1,750,000
597FB				10-30	20	3,000,000
597FC				20-45	30	3,500,000
597FD				40-100	40	4,500,000

* Set pressure established at 100 PSIG inlet and a flow of 250,000 BTU/hr.
** Capacity determined at actual delivery pressure 20% less than set pressure with inlet pressure 20 PSIG higher than the set pressure.

Hi Pressure Regulator/หัวปรับแรงดันสูง

REGO





Application

Designed to reduce LP-Gas and anhydrous ammonia container pressures to between 3 and 125 PSIG. Precision-built with a multi-million BTU capacity, the 1580M series is perfect for such big, tough jobs as crop dryers, asphalt batch mixing plants, road building "tar wagons", heat treating and other large industrial and commercial loads. It's also ideal as a first stage regulator in large multiple operations. The AA1580M series is ideal for use in anhydrous ammonia applications such as blue print machines and heat treating.

Features

- Large nozzle and straight through flow provides high capacity and resistance to freeze-up.
- O-ring on retainer assembly provides a dampening effect to reduce vibration.
- Suitable for both liquid and vapor service.
- Can be readily fitted with pressure gauge in ¼" F. NPT port.

Materials

Body ..... Forged Aluminum
Bonnet ..... Die Cast Aluminum
Spring ..... Steel
Valve Seat Discs ..... Resilient Rubber
Diaphragms ..... Integrated Fabric and Synthetic Rubber

Ordering Information

Part Number	Service	Adjustment Method	Inlet & Outlet Connections	Recommended Delivery Pressure Range (PSIG)	A Width	B Height (max.)	Capacity Determined at Set Pressure of PSIG	Capacity**
1584VN	LP-Gas	Tee Handle	½" F. NPT	3-30	2 1⁵⁄₁₆"	4⅞"	20	7,000,000 BTU/hr. LPG
1584VL				25-50			30	7,500,000 BTU/hr. LPG
1584VH				45-125			60	8,000,000 BTU/hr. LPG
AA1584VW	NH_3			3-25			20	4,500 CFH NH_3
AA1584VL				20-50			30	4,800 CFH NH_3
AA1584VH				45-125			60	5,100 CFH NH_3
1586VN	LP-Gas		¾" F. NPT	3-30	3 ½"	7"	20	11,000,000 BTU/hr. LPG
1586VL				25-50			30	12,000,000 BTU/hr. LPG
1586VH				45-125			60	14,000,000 BTU/hr. LPG
AA1586MW	NH_3			3-25			20	7,000 CFH NH_3
AA1586VL				20-50			30	7,700 CFH NH_3
AA1586VH				45-125			60	8,900 CFH NH_3
1588VN	LP-Gas		1" F. NPT	3-30			20	11,000,000 BTU/hr. LPG
1588VL				25-50			30	12,000,000 BTU/hr. LPG
1588VH				45-125			60	14,000,000 BTU/hr. LPG

Hi Pressure Regulator/หัวปรับแรงดันสูง

FISHER



FISHER TYPE 64



FISHER TYPE 64SR



Internal Relief Valve

Type 64 high pressure adjustable regulator used for high pressure burners as crop dryers or industrial burners. Suitable for liquid under 150° F. Does not have internal relief valve. Separate relief valve may be required by NFPA-58.

Type 64SR High pressure adjustable regulator with a built-in relief valve. Applications include high pressure burners in crop dryers and tobacco curers. Not suitable for liquid. May also be used as a first stage regulator when set at 10 PSIG or less.

FISHER TYPE 64 &64SR REGULATORS

Standard RMI Part No.	Part No. w/ Relief Valve	Inlet & Outlet	Pressure Setting	Pressure Range, PSI	Capacity* BTU/HR
64/33	64SR/21	½" FNPT	10	3-15	2,625,000
-	64SR/22	½" FNPT	15	5-20	3,000,000
64/35	64SR/23	½" FNPT	20	5-35	3,600,000
64/36	--	½" FNPT	40	30-60	4,150,000
64/222	--	½" FNPT	50	35-100	5,250,000

*Based on inlet pressure 20# over outlet pressure with 20% droop.

Hi Pressure Regulator/หัวปรับแรงดันสูง

FISHER



FISHER 627

A popular regulator for many commercial and industrial loads. Field-proven over the years, reliable performance within their capacity range. Additional overpressure protection typically required.



FISHER 630

A high capacity regulator which offers reliable performance for large load commercial and industrial applications.



FISHER TYPE 99

A pilot-operated regulator, keeps constant outlet pressure with varying inlet pressure and flows, used as first, second or single stage service.

RMI Part No.	Inlet /Outlet Connection	Orifice Size	Pressure Range, PSI	Pressure Setting, PSI	Internal Relief Valve	Capacity BTU/HR
627/5810	3/4"	3/8"	5-20	10	No	6,080,000
627/6210	3/4"	1/2"	5-20	10	No	10,755,000
627R-117	3/4"	1/2"	5-20	10	Yes	10,755,000
627/7710	1"	1/2"	5-20	10	No	10,773,000
627R-197	1"	1/2"	5-20	10	Yes	10,773,000
630-104/78	2"	1/2"	8-20	10	No	14,000,000
99-513P	2"	7/8"	2-10	10	No	36,368,000
99-512P	2"	7/8"	5-15	15	No	37,950,000
99-515P	2"	7/8"	10-20	20	No	41,112,000
99-903P	2"	7/8"	10-65	30	No	44,275,000
99-504PH	2"	1 1/8"	5-15	15	No	63,250,000
99-901PH	2"	1 1/8"	10-65	30	No	74,318,000

Capacity based on inlet pressure 20 PSI greater than setting pressure and 20% droop. Other spring ranges and orifice sizes available.

Hi Pressure Regulator/หัวปรับแรงดันสูง

MARSHAL

FIRST STAGE / HIGH PRESSURE

The **MEGR-1627 Series** commercial/industrial regulator is a large capacity, high pressure unit for use in conjunction with MEGR-CS1200 or MEGR-S1202 Series regulators. It can also be used on final-stage (PSI to PSI) service. The diaphragm case and/or regulator body on the MEGR-1627 Series can be rotated in any of four positions to allow installation in locations with limited space. Available with a monitor or integral relief valve. The MEGR-1627 Series is perfectly suited for jurisdictional systems, grain dryers, direct fired vaporizers or other high capacity service applications.

The **MEGR-1630 Series** First Stage / Industrial regulators are large capacity, high pressure units for use in conjunction with MEGR-S1202 Series regulators. They can also be used on final stage (pounds-to-pounds) service. These regulators are best suited for industrial applications where high flow capacity is required.

SPECIFICATIONS

Type: Adjustable / PSI
Orifice Diameter: 3/8" or 1/2"
Orifice Material: Aluminum
Max. Inlet Pressure: 250 PSI
Regulator Spring: Steel
Stem Guide / Disk Holder: Stainless Steel
Valve Stem: Steel
Exterior Finish: Grey Powder Coat
Diaphragm: Fabric Reinforced Nitrile (NBR)
Bonnet Cap & Housing/Body Material: Cast Aluminum/ Iron
Temp. Range: -20° F. / 180° F.
Listings: UL LISTED / UL 144


MEGR-1627 Series


MEGR-1630 Series

Made in the U.S.A

Part No.	Description	Inlet/Outlet	Orifice	PSIG Outlet Set Point	PSIG Outlet Range	Monitor	BTU/H LPG @ 100 PSI Inlet	BTU/H LPG @ 20 PSI Inlet
MEGR-1627/497	First Stage High Pressure Regulator	1" FNPT	1/2"	20	15-40	No	36,600,000	6,050,000
MEGR-1627/576		2" FNPT	1/2"	10	5-20	No	45,000,000	6,003,000
MEGR-1627/5810		3/4" FNPT	3/8"	10	5-20	No	11,700,000	4,700,000
MEGR-1627/6210		3/4" FNPT	1/2"	10	5-20	No	12,400,000	6,700,000
MEGR-1627/7710		1" FNPT	1/2"	10	5-20	No	25,100,000	6,900,000
MEGR-1627M/267		2" FNPT	1/2"	10	5-20	Yes	36,100,000	6,003,000
MEGR-1627M/471		1" FNPT	1/2"	10	5-20	Yes	25,100,000	6,900,000
MEGR-1627R/113		3/4" FNPT	3/8"	10	5-20	Token Relief	9,800,000	4,200,000
MEGR-1627V/7710*		1" FNPT	1/2"	10	5-20	No	25,100,000	6,900,000

Low Pressure Regulator/หัวปรับแรงดันต่ำ

REGO



Application

These compact regulators are designed for smaller outdoor grills and fish cookers. It is intended for use on small portable appliances that use 100,000 BTU's/hr. or less. It may not be used on fixed pipe systems per NFPA 58, 1995 edition.

Features

- All metal, die cast construction.
- Molded diaphragms assure close control of burner pressure.
- Durable valve levers.
- Variety of model configurations and sizes available.
- All POL inlet connections are soft nose.

Materials

Body ..... Die Cast Zinc
Bonnet ..... Die Cast Zinc
Springs ..... Steel
Valve Seat Discs ..... Resilient Rubber
Diaphragms ..... Molded Synthetic Rubber

Ordering Information

Part Number	Type	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane*
302	Single Stage	¼" F. NPT	3/8" F. NPT	No. 50 Drill	11" w.c. at 100 PSIG inlet	9-13" w.c.	Small Vent Above Inlet	125,000
302S		Soft M. POL w/60 DMS orifice						
302V		¼" F. NPT					Drip Lip Above Inlet	
302V9		¼" F. NPT					Drip Lip at 9 o'clock	
302V9LS		Soft POL w/o orifice						

Maximum flow is based on 25 PSIG inlet pressure and 9" w.c. delivery pressure.

Low Pressure Regulator/หัวปรับแรงดันต่ำ

REGO

Application

Designed to reduce first stage pressure of 5 to 20 PSIG down to burner pressure, normally 11" w.c. Ideal for medium commercial installations, multiple cylinder installations and normal domestic loads.

Features

- Large vent helps prevent blockage and has ¼" F.NPT for vent piping.
- With 15 PSIG inlet pressure, regulator is designed to not pass more than 2 PSIG with the seat disc removed.
- Incorporates integral relief valves.
- Replaceable valve orifice and valve seat disc.
- Straight line valve closure reduces wear on seat disc.
- Unique bonnet vent profile minimizes vent freeze over when properly installed.
- Large molded diaphragm is extra sensitive to pressure changes.
- Built in pressure tap has plugged 1/8" F.NPT outlet. Plug can be removed with a 3/16" hex allen wrench.
- Select brown finish.

Materials

Body	Die Cast Zinc
Bonnet	Die Cast Zinc
Nozzle Orifice	Brass
Spring	Steel
Valve Seat Disc	Resilient Rubber
Diaphragm	Integrated Fabric and Synthetic Rubber



LV4403B Series

Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/ hr. Propane**
LV4403B4	½" F. NPT	½"	#28 Drill	11" w.c. at 10 PSIG Inlet	9" to 13" w.c.	Over Inlet	935,000
LV4403B46		¾" F. NPT					
LV4403B46R*							
LV4403B66	¾" F. NPT						
LV4403B66R*							

* Backmount design
** Maximum flow based on 10 PSIG inlet and 9" w.c. delivery pressure.

Ordering Information

Part Number	Inlet Connection	Outlet Connection	Orifice Size	Factory Delivery Pressure	Adjustment Range	Bonnet Vent Position	Vapor Capacity BTU/hr. Propane
LV5503B4	½" F. NPT	¾" F. NPT	¼"	11" w.c. at 10 PSIG Inlet	9" - 13" w.c.	Over Inlet	1,600,000
LV5503B6	¾" F. NPT						
LV5503B8		1" F. NPT	9/32"				2,300,000

Maximum flow is based on 10 PSIG inlet and 9" w.c. delivery pressure.

FISHER

CS400 Series Commercial / Industrial Pressure Reducing Regulators



TYPICAL TYPE CS400 REGULATOR

Specifications (continued)

Type TM600 True-Monitor™ Actuator (continued)
Monitor Stem: Stainless
Middle Diaphragm Retainer: Zinc-plated steel
Control Spring: Music wire or Stainless steel
Vent Screen: Stainless steel
Vent Retaining Ring: Zinc-plated steel
Closing Cap: Aluminum
Adjusting Screw: Aluminum
O-rings: Nitrile (NBR)

Type VSX4 Slam-shut Device
Diaphragm Case and Spring Case: Aluminum
Diaphragm Plate: Engineered Resin
Diaphragm and Disk: Nitrile (NBR)
Control Spring: Music Wire, Stainless steel or Steel
Vent Screen: Stainless steel

Type VSX4 Slam-shut Device (continued)
Closing Cap: Aluminum
Adjusting Screw: Brass

Approximate Weights
With Threaded Body
Type CS400: 9 lbs / 4 kg
Type CS403: 18.5 lbs / 8 kg
Type CS404: 11.2 lbs / 5 kg
With Flanged Body
Add 8.6 lbs / 4 kg to weights listed

Designed, Tested and Evaluated Consistent With:
ASME B16, ASME Section VIII DIV I, ASTM B117 (Corrosion Resistance and EN334)

TYPE NUMBER							OPTIONS
C	S	4	0				
							OVERPRESSURE PROTECTION MODULE
				0			Without Overpressure Protection Module
				3			With Integral Monitor Module[1][2]
				4			With Slam-shut Module[3]
							PRESSURE REGISTRATION
					E		External Registration[3]
					I		Internal Registration
							RELIEF
						N	Non-Relief
						T	Token Internal Relief
						R	Internal Relief

Low Pressure Regulator/หัวปรับแรงดันต่ำ

Table 1. Body Sizes, Materials, End Connections and Pressure Rating

BODY MATERIAL	INLET SIZE	OUTLET SIZE	END CONNECTION	FACE-TO-FACE DIMENSION		BODY PRESSURE RATING	
				In.	mm	psig	bar
Gray Cast Iron	1-1/4	1-1/4	NPT	4.5	114	175	12.1
	1-1/4	1-1/2					
	1-1/2	1-1/2					
	2	2		5	127		
	NPS 2 / DN 50	NPS 2 / DN 50	CL125 FF	10	254		
Ductile Cast Iron	1-1/4	1-1/4	NPT	4.5	114	290	20.0
	1-1/2	1-1/2		4.5	114		
	2	2		5	127		
	1-1/4	1-1/4	Rp	4.5	114		
	1-1/2	1-1/2		4.5	114		
	2	2		5	127		
	NPS 2 / DN 50	NPS 2 / DN 50	CL125 FF/CL150 FF	10	254		
			PN 10/16	10	254	232	16.0
Steel	1-1/4	1-1/4	NPT	4.5	114	290	20.0
	1-1/2	1-1/2		4.5	114		
	1-1/4	1-1/4	Rp	4.5	114		
	1-1/2	1-1/2		4.5	114		

Outlet Pressure Ranges

TYPE	OUTLET PRESSURE RANGE		PART NUMBER	SPRING COLOR	SPRING WIRE DIAMETER		SPRING FREE LENGTH	
					In.	mm	In.	mm
CS400, CS403 and CS404	3.5 to 5 in. w.c.	9 to 12 mbar	GE30198X012	Red	0.098	2.49	4.18	106
	4.5 to 6.5 in. w.c.	11 to 16 mbar	GE30195X012	Purple	0.080	2.03	4.32	110
	6 to 8 in. w.c.	15 to 20 mbar	GE30188X012	Gold	0.108	2.74	4.18	106
	7.5 to 11 in. w.c.	19 to 27 mbar	GE30189X012	Blue	0.110	2.80	4.40	112
	10 to 14 in. w.c.	25 to 35 mbar	GE30224X012	Unpainted				
	12 to 19 in. w.c.	30 to 47 mbar	GE30196X012	Green	0.112	2.85	4.70	119
	18 in. w.c. to 1 psig	45 to 69 mbar	GE30225X012	Orange	0.120	3.05	4.94	125
	1 to 2 psig	69 to 138 mbar	GE30190X012	Black	0.140	3.56	4.66	118
	2 to 5.5 psig	138 to 380 mbar	GE30197X012	Yellow	0.172	4.37	4.42	112

Approximate Internal Relief Valve Start-to-Discharge Pressure Above Setpoint

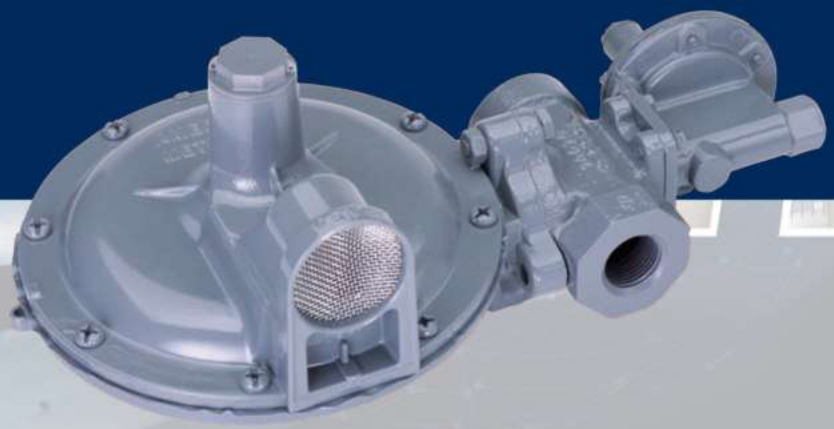
SETPOINT	SPRING COLOR	SPRING PART NUMBER	START-TO-DISCHARGE PRESSURE RANGE ABOVE SETPOINT	
			Internal Relief	Token Relief
7 in. w.c. / 17 mbar	Gold	GE30188X012	6 to 12 in. w.c. / 15 to 30 mbar	6 to 12 in. w.c. / 15 to 30 mbar
11 in. w.c. / 27 mbar	Blue	GE30189X012	6 to 12 in. w.c. / 15 to 30 mbar	6 to 12 in. w.c. / 15 to 30 mbar
14 in. w.c. / 35 mbar	Unpainted	GE30224X012	6 to 12 in. w.c. / 15 to 30 mbar	6 to 12 in. w.c. / 15 to 30 mbar
1 psig / 69 mbar	Orange	GE30225X012	0.5 to 1.5 psi / 34 to 103 mbar	0.5 to 1 psi / 34 to 69 mbar
2 psig / 138 mbar	Black	GE30190X012	0.5 to 1.5 psi / 34 to 103 mbar	0.5 to 1 psi / 34 to 69 mbar
5 psig / 345 mbar	Yellow	GE30197X012	0.5 to 3.3 psi / 34 to 228 mbar	0.5 to 2 psi / 34 to 138 mbar

Low Pressure Regulator/หัวปรับแรงดันต่ำ

AMERICAN BRAND-1813C

1800C and 1800C-HC Series Service Regulators

Technical Bulletin





USSA Shutoff Spring Ranges

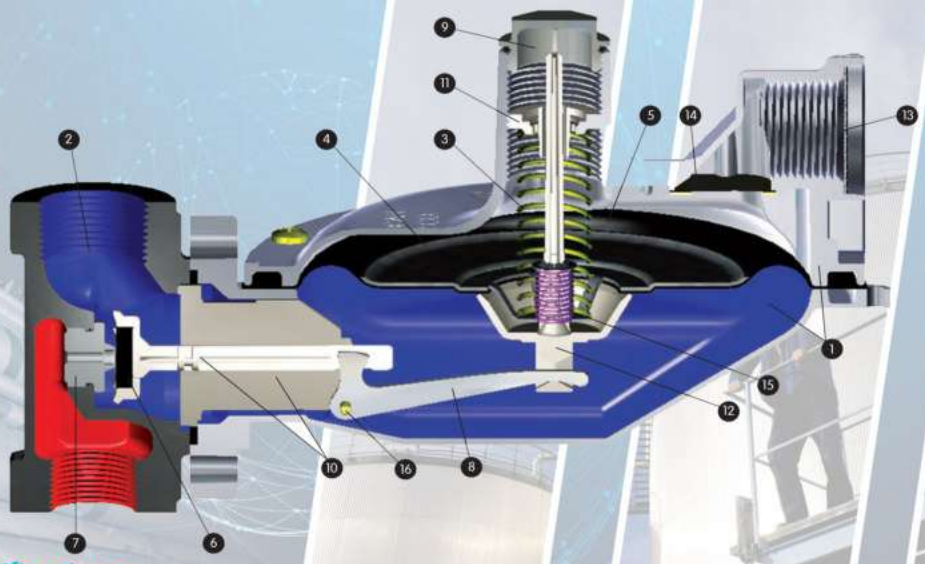
Over Pressure Spring Ranges

Spring Range	Part Number
7.5 - 24" W.C.	70017P123
20 - 32" W.C.	70017P124
24 - 44" W.C.	70017P125
40 - 84" W.C.	70017P126
3 - 5 PSIG	70017P127
4 - 7 PSIG	70017P128

Under Pressure Spring Ranges

Spring Range	Part Number
3 - 6" W.C.	70017P133
6 - 24" W.C.	70017P134
24 - 60" W.C.	70017P135

Low Pressure Regulator/หัวปรับแรงดันต่ำ



Material Specifications

1. Diaphragm Case - Precision die-cast aluminum with an exclusive seven-step advanced conversion coating, single-coat polyester primer and high solids polyurethane top coat.
2. Valve Body - Cast grey iron, undercoated, single coat polyester primer and high solids polyurethane top coat. NPT threads meet ANSI/ASME B1.20.1. BSP-TR threads meet BS EN 10226.

   Available sizes: 3/4" x 3/4", 3/4" x 1", 3/4" x 1-1/4", 1" x 1", 1" x 1-1/4" and 1-1/4" x 1-1/4" NPT or BSP-TR

   Offset valve body: 3/4" x 3/4", 3/4" x 1" and 1" x 1" NPT or BSP-TR
3. Pressure Spring - Steel, zinc plated and yellow chromate. Color coded for identification.

Outlet Pressure	Color Code	Part Number
3.5" to 6" W.C.	Blue	70017P043
3.5" to 7.5" W.C.	Tan	70017P089
5.5" to 8.5" W.C.	Yellow	70017P044
6" to 12" W.C.	Brown	70017P137
6" to 15" W.C.	Purple	70017P042
12" to 28" W.C.	White	70017P060
24" to 48" W.C.	Red	70017P082
42" W.C. to 2 PSIG	Red - Red	70017P049

4. Diaphragm Plate - Steel, Electrogalvanized.
5. Diaphragm - Buna N; Nylon fabric reinforced.
6. Seat Disc - Buna N; 60, 70 (std.) or 80 durometer rating.
7. Orifice Valve - High strength, corrosion resistant aluminum.

Orifice Size	Standard Part Number	Part Number with OPSO
9/16"	72494P026	72751P019
1/2"	72494P025	72751P016
3/8"	72494P023	72751P014
5/16"	72494P022	72751P013
1/4"	72494P021	72751P012
3/16"	72494P020	72751P011
1/8" x 3/16"	72494P030	72751P020
1/8"	72494P019	N/A

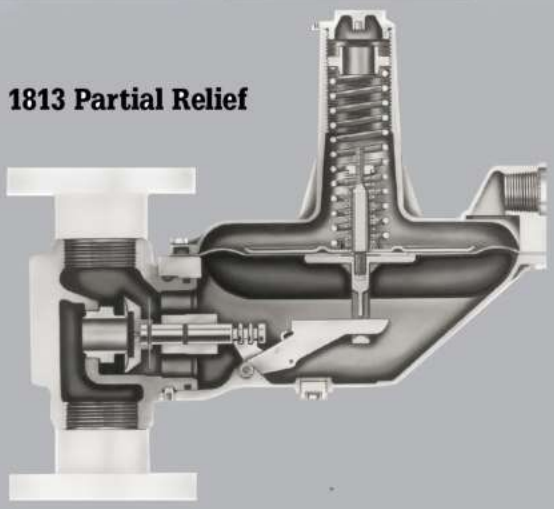
8. Lever - Stamped aluminum.
9. Seal Plug - Polyester thermoplastic UV stabilized.
10. Plunger Valve/Plunger Guide - Minlon.
11. Pressure Adjustment Screw - Minlon.
12. Relief Valve Stem - Minlon.
13. Vent Screen - Stainless Steel - All models are designed with a removable weather and bug-proof stainless steel screen to resist freeze-ups and to exclude foreign matter. The vent is threaded ¾" or 1" NPT (BSP-TR threads available). Inside installation requires a vent line of sufficient diameter to carry gas vented by the regulator to a safe outside location away from any opening(s) in the structure. Comply with applicable Federal, State and local codes.
14. Vent Valve - Stainless Steel with Electrogalvanized steel retainer.
15. Relief Valve Spring - Steel, zinc plated and yellow chromate. Color coded for identification. Non-adjustable, standard set point of 8" w.c. above outlet set pressure of 7" w.c. Standard set point of 1.3 PSIG above outlet set pressure of 2 PSIG.
16. Lever Pin - Carbon steel, zinc plated and yellow chromate.

Low Pressure Regulator/หัวปรับแรงดันต่ำ

AMERICAN BRAND-1813



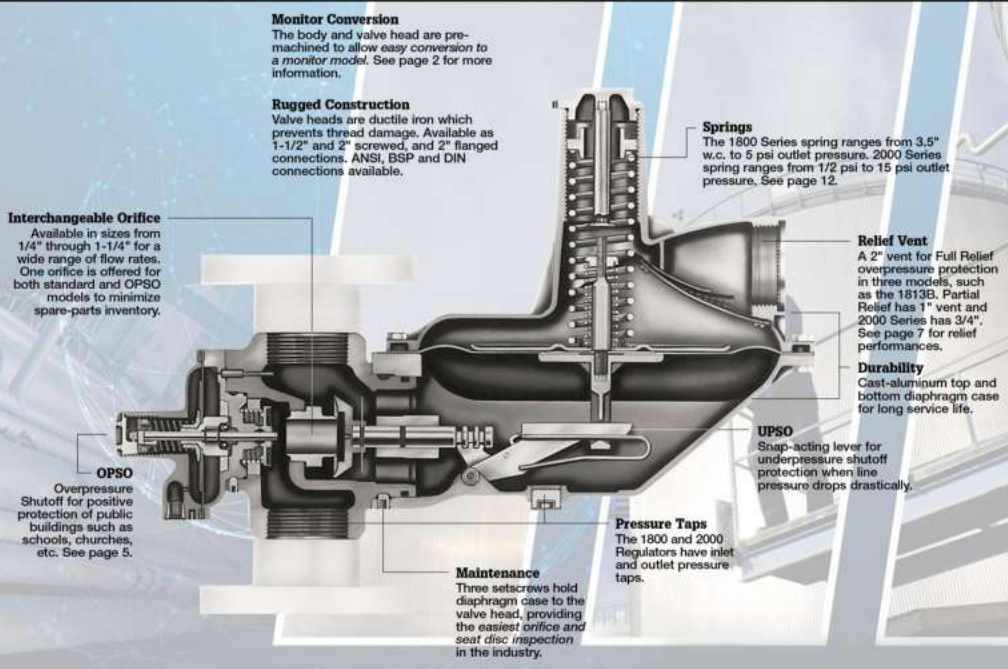
1813 Partial Relief



Low Pres. Model Numbers	Description	Dimensions A	B	C	D	*E
1803	Standard Regulator	12.75"	3"	1.75"	16"	10.5"
1803M	Standard Monitor Regulator	12.75"	3"	1.75"	16"	10.5"
1813	Partial Internal Relief Regulator	12.75"	3"	1.75"	16"	10.5"

1800 Series low-pressure models have a maximum inlet pressure of 150 psi and offer outlet pressures ranging from 3.5" w.c. to 5 psi. 2000 Series high pressure models allow a maximum inlet pressure of 150 psi and outlet pressures ranging from .5 psi to 15 psi. The 1800 Series can be ordered as Full Relief, Partial Relief or No Relief Regulator as shown in the table. 2000 Series Regulators are non-relieving. Both models are available with Over-pressure Shutoff, Underpressure Shutoff and monitor capabilities.

Low Pressure Regulator/หัวปรับแรงดันต่ำ



American Meter Regulator Parts

1800 SERIES LOW PRESSURE REGULATOR
PRESSURE SPRINGS

3.5" to 6" w.c.	71424P017	Red
5.5" to 8" w.c.	71424P018	Orange
8.5" to 14" w.c.	71424P019	Yellow
14.5" to 28" w.c.	71424P020	Green
1 psi to 2 psi	71424P021	Blue
1.5 psi to 2.5 psi	71424P026	Brown and Blue
2 psi to 3 psi	71424P022	Brown and Green
3 psi to 5 psi	71424P023	Black and Green

2000 SERIES HIGH PRESSURE REGULATOR
PRESSURE SPRINGS

.5 psi to 1 psi	71411P020	Brown and White
1 psi to 2.5 psi	71411P021	Purple and White
2.5 psi to 5 psi	71411P022	Orange and Black
5 psi to 10 psi	71411P023	Black
10 psi to 15 psi	71411P024	Yellow and Green

OPSO SHUTOFF SPRINGS

14" to 28" w.c.	70017P075	Red and Purple
1 psi to 2 psi	70017P076	Red and Brown
2 psi to 3 psi	70017P077	Purple
3 psi to 5 psi	70017P078	Orange and Yellow
5 psi to 8 psi	70017P079	Orange and Green
8 psi to 14 psi*	70017P078	Orange and Yellow
14 psi to 20 psi*	70017P079	Orange and Green

*To achieve these ranges, reducing ring 72646P001 must be used.

1800/2000 SERIES REGULATOR ORIFICE SIZES

Valve Head Size	Orifice Size	Part Number
1-1/2" and 2"	1/4"	72983P010
1-1/2" and 2"	3/8"	72983P011
1-1/2" and 2"	1/2"	72983P012
1-1/2" and 2"	5/8"	72983P013
1-1/2" and 2"	3/4"	72983P014
1-1/2" and 2"	7/8"	72983P015
1-1/2" and 2"	1"	72983P016
1-1/2" and 2"	1-1/4"	72983P017

These orifices are double-sided and work with both OPSO and non-OPSO Models.

Low Pressure Regulator/หัวปรับแรงดันต่ำ

MARSHAL

SECOND STAGE / LOW PRESSURE

The **MEGR-S1202/MEGR-CS1200** Series commercial/industrial regulators are large capacity, low pressure second stage units for installation at schools, bakeries, and similar applications. They contain a limited capacity internal relief valve and can be used in conjunction with either MEGR-1627 Series or MEGR-1630 Series high-pressure regulators.
For high capacity installations, the MEGR-1289H Series relief valve is required to be installed in the downstream system.

MEGR-1HSRL Series: Offers a full size high capacity light commercial type regulator with an adjustment range from 6-14" WC (factory set @ 11" WC), a heavy duty cast iron body with a universal body to bonnet union for fast relocation of inlet to outlet vent location. These light commercial second stage regulators are used to reduce outlet pressures from first stage regulators (normally 10 PSI) to 11" WC.

SPECIFICATIONS

Type: Adjustable / Inches WC or PSI
Orifice Diameter: 3/8", 5/16", 1/2" or 1"
Max. Inlet Pressure: 25 PSIG
Body Material: Cast Iron
Regulator Spring: Music Wire
Spring Case/ Stem Guide/ Disk Holder: Aluminum
Disk/ Diaphragm and O-Ring: Fabric Reinforced Nitrile (NBR)
Closing Cap Gasket: Neoprene

MEGR-S1202 Series



Made in the U.S.A

Part No.	Description	Inlet/Outlet Connection Style	Orifice	Oulet Pressure Range	Oulet Pressure Setting	Maximum Operating Inlet Pressure	BTU/H LPG @ 25 PSI Inlet	BTU/H LPG @ 10 PSI Inlet
MEGR-1HSRL-BFC	Second Stage Low Pressure Regulator	3/4" FNPT	3/8"	6-14" WC	11" WC	40 PSIG	—	2,000,000
MEGR-1HSRL-CFC		1" FNPT	3/8"	6-14" WC	11" WC	40 PSIG	—	2,500,000
MEGR-CS1200IR6EC1		3/4" FNPT	1/2"	6-14" WC	11" WC	25 PSIG	2,100,000	1,600,000
MEGR-CS1200IR6EC3		1" FNPT	1/2"	6-14" WC	11" WC		2,500,000	1,900,000
MEGR-CS1200IR6EC6		1-1/4" FNPT	1/2"	6-14" WC	11" WC		3,100,000	2,800,000
MEGR-CS1200IR7EC1		3/4" FNPT	5/16"	6-14" WC	7" WC		*1,250,000	*985,000
MEGR-CS1200IR7EC3		1" FNPT	5/16"	6-14" WC	7" WC		*1,620,000	*1,525,000
MEGR-S1202G-BNC		1-1/2" FNPT	1"	9 - 18" WC	11" WC		14,700,000	10,800,000
MEGR-S1202G-CNC		2" FNPT	1"	9 - 18" WC	11" WC		30,000,000	23,000,000
MEGR-S1202H-CNK		2" FNPT	1"	1.5-3.25 PSI	2 PSI		22,200,000	10,300,000

Note: Other configurations and materials available upon request.
WC = Water Column
* Flow Rates listed in BTU Natural Gas

Auto-Change Regulator/หัวปรับสลับอัตโนมัติ

HANJIN



MODEL : LAR

TYPE : Liquid Flow Auto-change by Differential Pressure type

Specification | 사양

Application (적용가스)	Propane/Butane
Capacity (용량)	Max.200kg/hr
Change of Pressure (전환압력)	0.5~2Mpa
Hyd. Test Pressure (내압시험압력)	2.6Mpa
Leak Test Pressure (누설시험압력)	1.8Mpa
Connection In/Out (접속구경)	Flange 2Mpa, 15A or 20A
Flange face to face (후랜지면간거리)	W295 x H120
Weight (중량)	8.5kg
Body Material (몸체재질)	Ductile Iron

ITOKOKI



■标准规格 Specifications

型　号 Model	LAX-20B/B-R	LAX20C/C-R
使用流体 Fluid used	液化石油气(液相) LPG (liquid phase)	
最大容量 Maximum capacity	300kg/h以下 300kg/h or less	
切换压力 Change-over pressure	0.05~0.15MPa	
切换压力工作误差 Activating error of change-over pressure	±0.01MPa	
必要入口压力 Necessary inlet pressure (预备方 Reserve side)	(切换压力+ΔP)~15.6MPa P数值为如下 (Change-over pressur ΔP) ~1.56MPa The values for ΔP areas follows:	Q (流量 Capacity) 100 150 200 250 300 / ΔP(MPa) 0.03 0.07 0.11 0.14 0.18
进出口连接 Inlet/outlet connection	JIS20K20A法兰 JIS20K20A flange	相等于 JIS20K20A法兰 Equivalent to JIS20K20A flange
法兰之间尺寸 Spacing	430×70 (特殊规格 : 470×120, 450×215) 430×70 (Specialized unit : 470×120, 450×215)	275x69
重　量 Mass	18kg	9.5kg

LPG Vaporizer/ หม้อต้มแก๊ส



LPG Vaporizer/หม้อต้มแก๊ส

Hanjin



Type HJ - PV

■ Design Data (설계조건)

Design Pressure (설계압력) : 1.8Mpa
Hyd. Test(내압시험압력) : 3.0Mpa
Air Tight Test(기밀시험압력) : 1.8Mpa
Design Temp(설계온도) : 100℃
Operating Temp(상용온도) : 60~70℃
Safety Setting(안전밸브설정압력) : 1.8Mpa

■ Specification(표준성능 및 규격)

※아래 수치는 제조과정에서 변경될 수 있습니다

Model	Capacity (kg/hr)	Heat Consumption			End Connection		Weigh (kg)
					Inlet	Outlet	
		Electric (kw/hr)	Hot Water (kcal/hr)	Steam (kg/hr)	Flanged (A)	Flanged (A)	
HJ-PV-30	30	5	5,600	9	15	15	150
HJ-PV-50	50	8	7,500	12	15	20	150
HJ-PV-100	100	15	15,000	24	20	25	180
HJ-PV-150	150	22	22,000	35	20	25	240
HJ-PV-200	200	30	30,000	48	20	25	260
HJ-PV-300	300	44	45,000	72	25	40	400
HJ-PV-400	400	60	60,000	96	25	50	550
HJ-PV-500	500	72	75,000	120	25	50	580
HJ-PV-600	600	88	90,000	144	40	50	700
HJ-PV-800	800	120	120,000	192	40	80	900
HJ-PV-1000	1000	156	150,000	240	50	80	1050

■ NOTES (특기사항)

1. There are three option in each model depending on availability of heat source, viz. electricity, hot water or steam.
2. Electricity may be either 220V single phase or 220V, 380V and 440V 3 phase.
3. Hot water temperature range is 70℃ up to 90℃.
4. Steam pressure should be 0.6 to 1.2 kg/㎠
5. All electric heating system is fitted with pressurized flameproof.

LPG Vaporizer/หม้อต้มแก๊ส

Hanjin



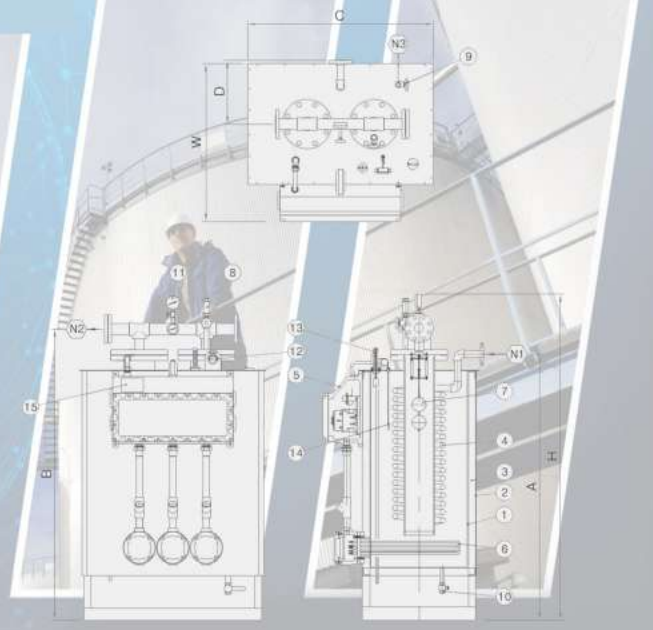
LPG VAPORIZER

MODEL : HJ - PV

TYPE : WATER BATH, ELECTRIC HEAT
INDIRECT(전열 간접가열)

Specification | 사양

Design Pressure(설계압력)	1.8Mpa
Hydraulic Test Pressure(내압시험압력)	2.7Mpa
Air Tight Test(기밀시험압력)	1.76Mpa
Design Temperature(설계온도)	100℃
Operating Temperature(사용온도)	60~70℃
Safety valve setting pressure(안전밸브설정압력)	1.76Mpa





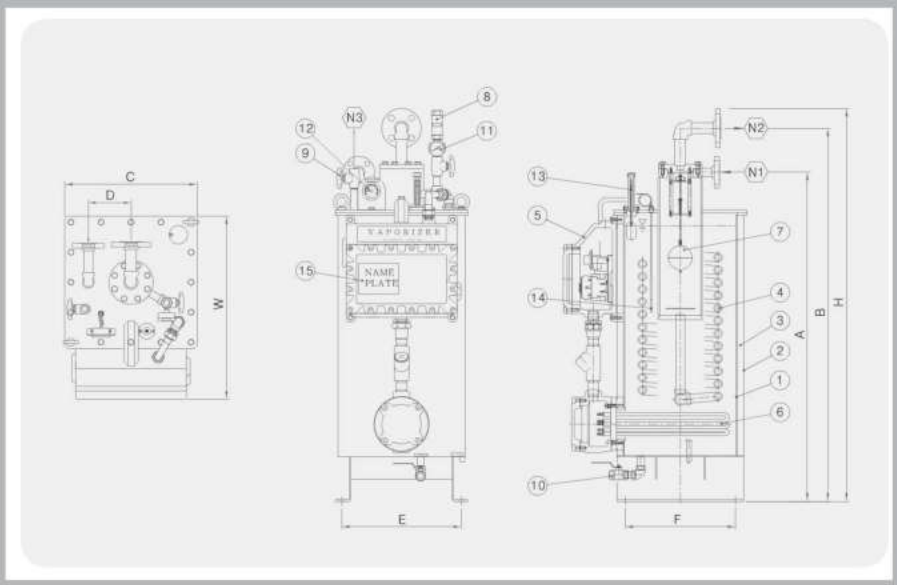
LPG VAPORIZER

MODEL : HJ-PV (New type)

TYPE : WATER BATH, ELECTRIC HEAT
INDIRECT(전열 간접가열)

Specification | 사양

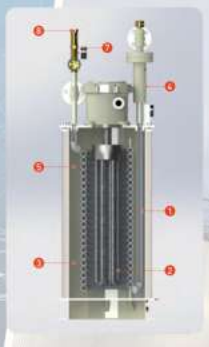
Design Pressure(설계압력)	1.8Mpa
Hydraulic Test Pressure(내압시험압력)	2.7Mpa
Air Tight Test(기밀시험압력)	1.76Mpa
Design Temperature(설계온도)	100℃
Operating Temperature(사용온도)	60~70℃
Safety valve setting pressure(안전밸브설정압력)	1.76Mpa



LPG Vaporizer/หม้อต้มแก๊ส

MS Brand







PART LIST

NO.	PART NAME	MAT'L
1	Water Tank Install	SS400
2	Heater & Box Install	AC2A
3	Coil & Cover Install	STPG 370
4	Liquid Trap Install	A106-B
5	Insulator Install	Artilon
6	Marking Ass'y	Sticker
7	Pressure Gauge	PVC + BC
8	Safefy Valve	C3604B
9	Water drain valve	BC
10	Over -Water, Over -Flowing	BC
11	HEX Bolt & Washer	S45C
12	I-Bolt	S45C

Specifications

Model	Capacity (kg/hr)	LPG Liquid Inlet Size	LPG Vapor Outlet Size	Heater Capacity (KW)	Empty Weight (kg)	Water Capacity (Liter)	Pressure Safety Valve Size
MS-EV50	50	3/4"	1"	7.5	65	50	3/4"
MS-EV100	100	3/4"	1"	15	85	60	3/4"
MS-EV150	150	3/4"	1"	22.5	125	70	3/4"
MS-EV200	200	3/4"	1"	30	150	120	3/4"
MS-EV300	300	3/4"	1"	45	185	150	3/4"
MS-EV400	400	3/4"	1"	60	300	150	3/4"

Dimension(mm)

Capacity	A	B	C	D	E	F	H	Volume(Liter)
50Kg	702	436	410	450	852	1106	1132	50
100Kg	801	436	410	450	951	1196	1233	60
150Kg	921	436	410	450	1071	1316	1397	70
200Kg	921	576	560	600	1071	1316	1397	120
300Kg	1041	576	560	600	1191	1436	1474	150
400Kg	1041	576	560	600	1191	1436	1474	150

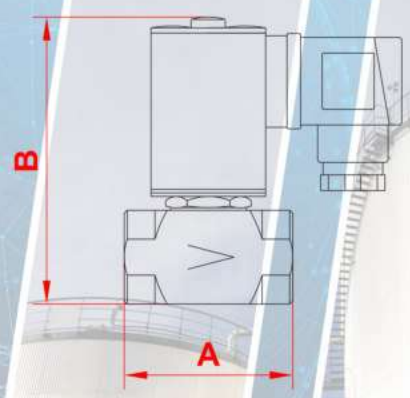
Automatic Shut Off Valve/ วาล์วตัดอัตโนมัติ



Automatic Shut Off Valve/วาล์วตัดอัตโนมัติ

Madas





Dimensioni di ingombro in mm Overall dimensions in mm Mesures d'encombrement en mm Dimensiones en mm			Peso Weight Poids Peso
Attacchi Connections Fixations Conexiones	A	B	Kg
DN 10	55	90,5	0,6
DN 15	55	90,5	0,6
DN 20	55	90,5	0,6

Foto Photo Photo Fotos	Attacchi Connections Fixations Conexiones	Voltaggio Voltage Voltage Voltaje	corpi ottone - brass bodies corps en laiton - cuerpo de latón		corpi alluminio - aluminium bodies corps en alluminium - cuerpo de aluminio	
			senza energy saving without energy saving sans energy saving sin energy saving	con energy saving with energy saving avec energy saving con energy saving	senza energy saving without energy saving sans energy saving sin energy saving	con energy saving with energy saving avec energy saving con energy saving
			Codice Code Code Código	Codice Code Code Código	Codice Code Code Código	Codice Code Code Código
	DN 10	12 Vdc	EVO01 001	EVO01 E01	EVOA01 001	EVOA01 E01
		12 V/50 Hz	EVO01 010	EVO01 E10	EVOA01 010	EVOA01 E10
		24 Vdc	EVO01 005	EVO01 E05	EVOA01 005	EVOA01 E05
		24 V/50 Hz	EVO01 003	EVO01 E03	EVOA01 003	EVOA01 E03
		110 V/50-60 Hz	EVO01 002	EVO01 E02	EVOA01 002	EVOA01 E02
		110 V/50-60 Hz*	EVO01 007	-	EVOA01 007	-
		230 V/50-60 Hz	EVO01 008	EVO01 E08	EVOA01 008	EVOA01 E08
		230 V/50-60 Hz*	EVO01 009	-	EVOA01 009	-
	DN 15	12 Vdc	EVO02 001	EVO02 E01	EVOA02 001	EVOA02 E01
		12 V/50 Hz	EVO02 010	EVO02 E10	EVOA02 010	EVOA02 E10
		24 Vdc	EVO02 005	EVO02 E05	EVOA02 005	EVOA02 E05
		24 V/50 Hz	EVO02 003	EVO02 E03	EVOA02 003	EVOA02 E03
		110 V/50-60 Hz	EVO02 002	EVO02 E02	EVOA02 002	EVOA02 E02
		110 V/50-60 Hz*	EVO02 007	-	EVOA02 007	-
		230 V/50-60 Hz	EVO02 008	EVO02 E08	EVOA02 008	EVOA02 E08
		230 V/50-60 Hz*	EVO02 009	-	EVOA02 009	-
* versione senza raddrizzatore * version without rectifier * modèle sans reddresseur * versión sin retifi cador	DN 20	12 Vdc	EVO03 001	EVO03 E01	EVOA03 001	EVOA03 E01
		12 V/50 Hz	EVO03 010	EVO03 E10	EVOA03 010	EVOA03 E10
		24 Vdc	EVO03 005	EVO03 E05	EVOA03 005	EVOA03 E05
		24 V/50 Hz	EVO03 003	EVO03 E03	EVOA03 003	EVOA03 E03
		110 V/50-60 Hz	EVO03 002	EVO03 E02	EVOA03 002	EVOA03 E02
		110 V/50-60 Hz*	EVO03 007	-	EVOA03 007	-
		230 V/50-60 Hz	EVO03 008	EVO03 E08	EVOA03 008	EVOA03 E08
		230 V/50-60 Hz*	EVO03 009	-		
	con regolatore di portata = EVOF... - EVOAF... - with flow regulator = EVOF... - EVOAF... avec régulateur de portée = EVOF... - EVOAF... - con regulador de caudal = EVOF... - EVOAF...					

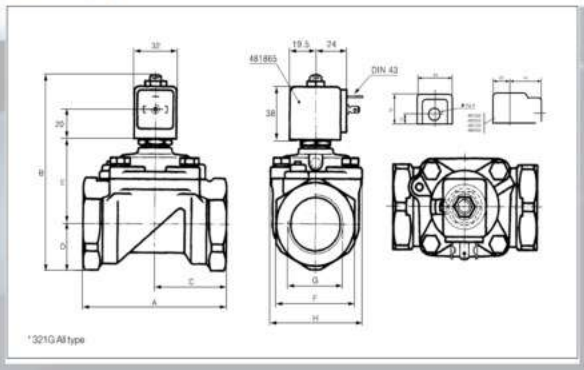


Automatic Shut Off Valve/วาล์วตัดอัตโนมัติ

Parker



Dimensions(mm)



NEMA STANDARD:

- **Type 1:** General Purpose - Enclosures are intended for indoor use, primarily to prevent accidental contact of personnel with the enclosed equipment in areas where unusual service conditions do not exist.
- **Type 2:** Drip-Proof - Enclosures are intended for indoor use to protect the enclosed equipment against falling non-corrosive liquids and falling dirt.
- **Type 3R:** Rainproof and Sleet Resistant (Ice Resistant) - Enclosures are intended for outdoor use to protect the enclosed equipment against rain, sleet and external ice formation.
- **Type 4:** Watertight and Dust-Tight - Enclosures are intended for indoor or outdoor use to protect the enclosed equipment against splashing water, seepage of water, falling or hose-directed water and severe external condensation.
- **Type 4X:** Watertight, Dust-Tight and Corrosion-Resistant - Enclosures have the same provisions as Type 4 enclosures and are corrosion-resistant.
- **Type 6:** Submersible - Enclosure protected against entry of water during occasional temporary submersion at a limited depth.
- **Type 7:** Explosion-Proof - Designed to be used in a hazardous atmospheres classified as Class I, Groups A, B, C or D, as defined by NEC (National Electric Code). The explosion-proof enclosure must be able to withstand an internal explosion and prevent the ignition of atmospheric gases which may be caused by the shorts or sparks occurring within the enclosures. Additionally, the external enclosure temperature must be low enough as to not ignite a surrounding flammable atmosphere.



- **Type 9:** Class II, Division I, Group E, F or G - Enclosures are intended for indoor use in the atmospheres and locations as defined as Class II, Division I or Division II, and Group E, F or G in the NEC to prevent the entrance of explosive amounts of hazardous dust. If gaskets are used, they must be of non-combustible, non-deteriorating, vermin proof material.
- **Type 12:** Industrial Use - Dust-Tight and Drip-Tight - Enclosures are intended for indoor use to protect enclosed equipment against fibers, filings, lint, dust and dirt; and light splashing, seepage, dripping and external condensation of non-corrosive liquids.

Automatic Shut Off Valve/วาล์วตัดอัตโนมัติ

EWOO



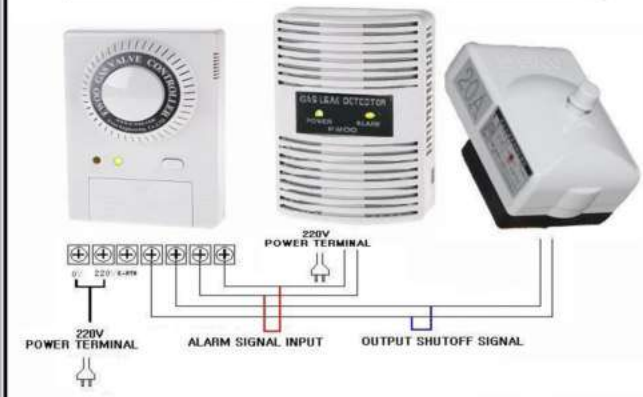
1-1. CONTROL PANEL

Model / Diameter of gas pipe	1 Alarm signal input			3 Alarm signal input		
	EW201S15	EW201S20	EW201S25	EW203S15	EW203S20	EW203S25
	15A	20A	25A	15A	20A	25A
Power supply	AC 220V .230V. 50Hz. 60Hz					
Operating temperature	0~40℃					
Operating humidity	95% Rh					
Current output (Actuating)	DC 12V					
Audible alarm	Buzzer sound (about 70dB)					
Alarm input	DC 5~18V					
Dimensions	140x148x54㎜					
Weight	430			446g		

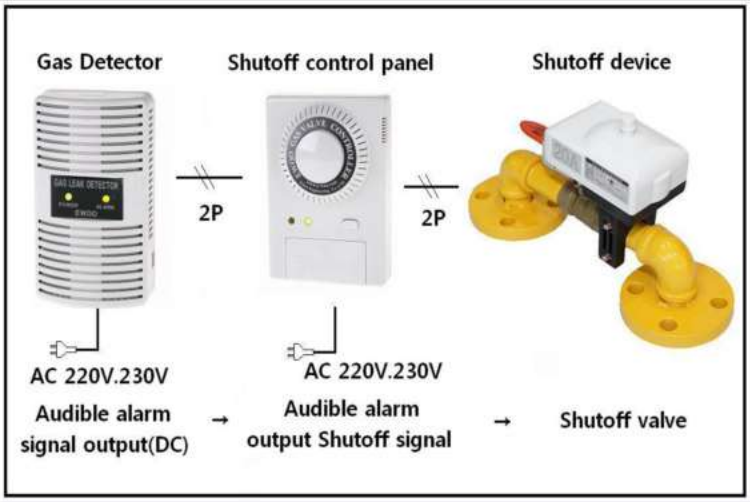
1-2. SHUTOFF DEVICE

Diameter of gas pipe	15A	20A	25A
Operating power	DC 12V		
Valve type	Ball valve use		
Deceleration ratio	2,330:1		
Shutoff time	10sec		
Open & Close	90°		
Gear material	Kocetal		
Housing material	Gear box: ABS / Clamp: Nylon glass		
Operating temperature / Operating humidity	-10℃~40℃ / 95% Rh		
Wiring	2Wire RED (+) BLACK (-) 1channel		
Mounting	Clamping at pipe		
Dimensions & Weight	70x115x138mm 332g	70x115x140mm 326g	70x115x155mm 360g

CONTROL PANEL (1 ALARM SIGNAL INPUT)



OPERATIONAL SYSTEM



Gas Leak Detector/ เครื่องจับกลิ่นแก๊ส



Gas Leak Detector/เครื่องจับกลิ่นแก๊ส

EWOO

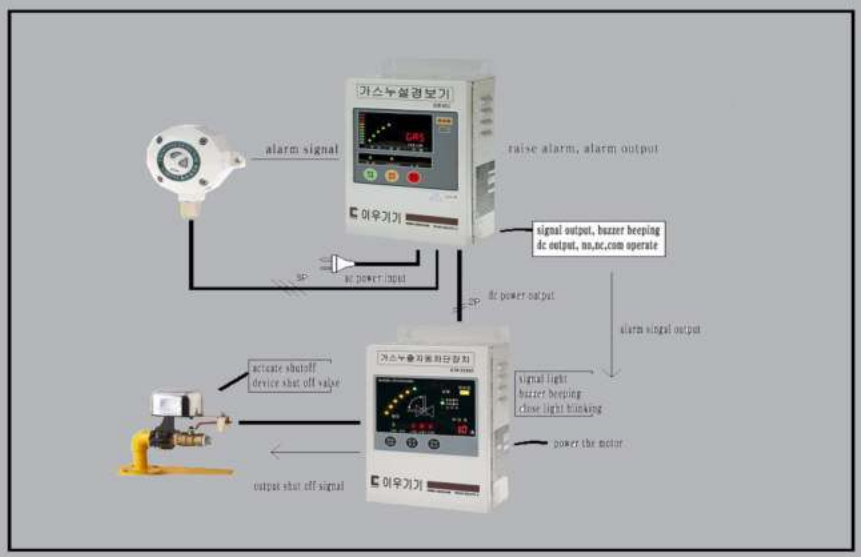


Item	Specifications
Model	EW401 & EW403
Power Supply	AC 220V 60Hz
Power Consumption	5W
Measuring Range	0~100% LEL
Alarm Point	25% LEL below
Operational Temperature	0℃~40℃
Relative Humidity	0~85%Rh
Visual Alarm	Blinking YELLOW LED
Digital Display	3 Digit (7Segment LED) 10Th Bar LED
Trouble Lamp	RED LED
Operating Lamp	GREEN LED
Audible Alarm	70dB Buzzer Sound (at 100cm)
Alarm Output	DC 5V 10mA (Relay Contact COM NO NC)
Warm up Time	60sec
Wiring	VCT or CVVS above 0.75mm
Dimensions (WxHxD)	151x258x86mm
Weight(g)	1656g



Item	Specifications
Model	EWEX II B 100
Detectable Gas	LNG,LPG,City Gas,Combustible Gas
Detection Method	Catalytic (Hot Wire)
Sampleing Method	Diffusion Type
Explosion Proof Rating	Exd II B T6
Response Time	Within 20 sec
Operational Temperature	-20℃~40℃
Relative Humidity	0~85% Rh
Case Material	Aluminum
Dimensions(WxHxD)	140x117x77mm
Weight(g)	858g

4. OPERATIONAL SYSTEM



Gas Leak Detector/เครื่องจับกลิ่นแก๊ส

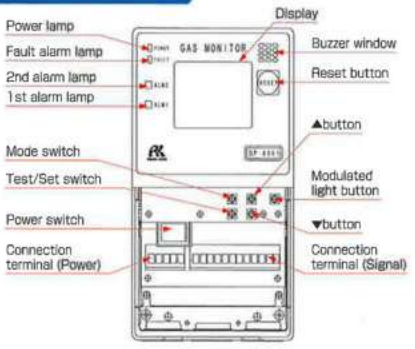
RIKEN



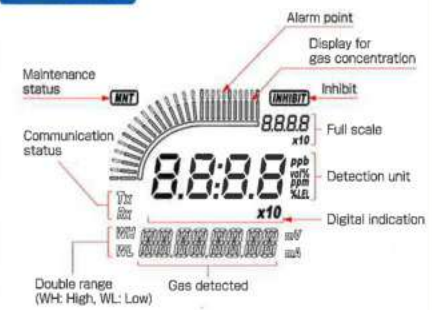
SPECIFICATION

RM-6000 series	GP-6001 NC-6001(W)	SP-6001	GH-6001	EC-6002	OX-6001	OX-6002	RM-6002	RM-6003
Detection gas	Combustible	Combustible / Toxic		Toxic	Oxygen		Combustible / Toxic / Oxygen	
Indication	3-color LCD bar meter (52 dots)							
Type of acceptable detector head	Catalytic combustion New ceramic	Special catalytic/ semiconductor combination sensor	Semiconductor	Electrochemical cell	Galvanic cell		4-20mA outputs	
							2-wire type	3-wire type
Acceptable input signal	Direct sensor signal			4-20mA output	Direct sensor signal	4-20mA output		
Applicable cable	CVV-4C		CVVS-3C	CVVS-2C				CVVS-3C
Max distance	Max 1.0km		Max 1.0km	Max 2.0km	Max 600m	Max 2.0km		
Output signal	Output of electric power transmission (non-isolated) 4-20mADC, max loop load 300 ohm							
Alarm indication	Flashing or lighting lamp: Red(AL1), Red (AL2), Latching or non-latching, Locking mode							
Trouble alarm	Orange lamp flashing (FAULT), Non-latching							
Alarm relays	Normally energized or de-energized, Normally-open or close contact Rated 1A at 125VAC, 1A at 30VDC (resistive)							
Operation condition	-10 – 50℃, below 95%RH (non-condensing)							
Power requirement	AC type: 100 – 240 VAC +/-10% DC type: 24VDC +/-10%							
Power consumption	Max 15VA MAX 8.5W		Max 11.5VA MAX 6W	Max 7.5VA MAX 3.5W	Max 6.5VA MAX 3W	Max 7.5VA MAX 3.5W		
Dimensions & weight	Approx. 110 (W) x 190 (H) x 54 (D) mm, Wall mounting type: 580g / Panel mounting type: 650g							
Mounting	Wall mounting type / Panel mounting type							

COMPONENT DESIGNATIONS

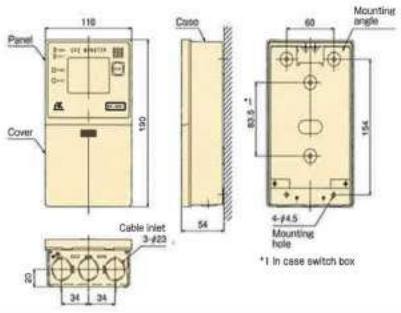


INDICATION

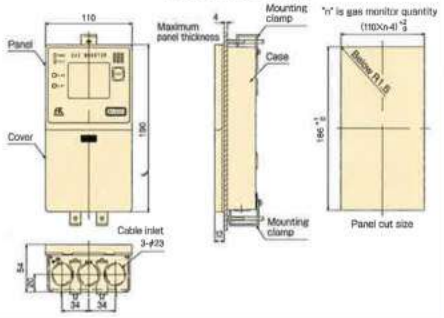


OUTER DIMENSIONS

【Wall mounting】



【Panel mounting】

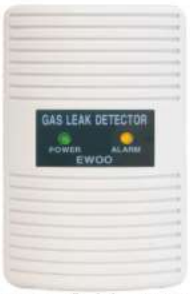


Gas Leak Detector/เครื่องจับกลิ่นแก๊ส

EWOO



[EW301-R]



Input Power
AC220V 60Hz
AC230V 50Hz

Alarm output
Relay contact
White(COM)
Green(NO)

[EW301-O]



Input Power
AC220V 60Hz
AC230V 50Hz

Alarm output
DC12V 70mA
Red (+)
Black (-)

[EW301-DCR]



Input Power
DC12V 100mA
Red (+)
Black (-)

Alarm output
Relay contact
White (COM)
Green (NO)

[EW301-DC]



Input Power
DC12V 100mA
Red (+)
Black (-)

Alarm output
DC12V 70mA
White (+)

Name \ Model	EW301-R	EW301-O	EW301-DCR	EW301-DC
Detector Gas	LPG. LNG. City Gas (Methane, Butane, Propane)			
Alarm Point	LEL 1/4 Point (user adjustable, Variable setting)			
Detection Method	Catalytic, Combustion (Hot-wire type), Diffusion type			
Response Time	Within 20 seconds			
Operational Temperature Relative Humidity	-10℃~40℃, 90% Rh			
Input Power	AC 220V 60Hz AC 230V 50Hz	AC 220V 60Hz AC 230V 50Hz	DC 12V 100mA	DC 12V 100mA
Power Consumption/ Size	6.8mA (230V) 1.5W		74x120x43mm	
Alarm Output	Relay contact White (COM) Green (NO)	DC 12V 70mA Red (+) Black (-)	Relay contact White(COM) Green(NO)	DC 12V 70mA White (+) Black (-)

Gas Meter/ เครื่องวัดปริมาณการใช้แก๊ส



Gas Meter/เครื่องวัดปริมาณการใช้แก๊ส

Elster



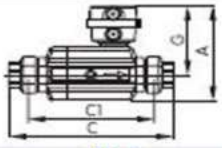
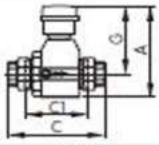
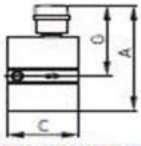
Applications

Media: Methane, town gas, natural gas, air, inert gases
Branches: Industry, trade, chemicals, food-stuffs,*
Functions: Metering, control, regulation, registration,**

elster

krom// schroder

Technical data

		QA/e 10 - QA/e 40 G1	QA/e 40 GF1	QA/e 65 - QA/e 1000 Z1
				
Medium/ maximum pressure	Combustible gases	4 bar	4 bar	16 bar (PN 16), 20 bar (Class 150)
	Air, inert gases	16 bar	16 bar	16 bar (PN 16), 20 bar (Class 150)
Metering technology	Measuring range m³/h	QA/e 10 DN25: 1.6 - 16 QA/e 16 DN25: 2 - 25 QA/e 25 DN25: 2.5 - 40 QA/e 40 DN25: 3.3 - 65	QA/e 40 DN40: 5 - 65	QA/e 65 DN 50: 6 - 100 QA/e 100 DN 80: 10 - 160 QA/e 160 DN 80: 13 - 250 QA/e 250 DN 80: 20 - 400 QA/e 250 DN 100: 20 - 400 QA/e 400 DN 100: 32 - 650 QA/e 400 DN 150: 32 - 650 QA/e 650 DN 150: 50 - 1000 QA/e 1000 DN 150: 80 - 1600
	Max. error 0.1 Q_{max} - 0.2 Q_{max}	±3 % (exception QA/QAe 10 ±6 %)		
	Max. error 0.2 Q_{max} - Q_{max}	±1.5 %		
Housing	Material	Aluminium		
	Diameter DN mm	25	40	50 / 80 / 100 / 150
	"	1"	1½"	2" / 3" / 4" / 6"
	Dimensions A * mm	159	202	202 / 225 / 245 / 300
	C mm	240	190	60 / 120 / 150 / 180
	C1 mm	185	126.5	- / - / - / -
	G * mm	115	150	150 / 150 / 165 / 190
	Weight (net) kg	2.1	2.5	1.6 / 4.5 / 6.5 / 11.2
	Weight (gross)** kg	2.6	3.4	2.7 / 7.5 / 10.0 / 18.0
	Assembly	In pipes with screw connections according to DIN ISO 228 1" internal thread	In pipes with screw connections according to DIN ISO 228 1 ½" internal thread	Installation between flanges PN 10/16 (DIN EN 1092-1) or Class 150
Outputs/ puls values	LF type E1 Reed switch	10 imp/m³	1 imp/m³	1 imp/m³
	MF type E200 inductive proximity switch	500 imp/m³	250 imp/m³	QA/e 65 : 250 imp/m³ QA/e 100 - 1000 : 187.5 imp/m³

Gas Meter/เครื่องวัดปริมาณการใช้แก๊ส

Landis + GYR/AMPY



Gases

Natural gas, town gas, propane, butane, LPG and inert gases. For other gases please consult Landis+Gyr.

Temperature Range

–10 °C to +65 °C.

Cyclic Volume

0.002 cubic metres (2 litres)

Working Pressure

Refer to meter index badge

Index Drive

Magnetically driven index ensuring low mechanical wear.

Index

Anti–Fog hydrophilic coated 8 digit index 5 whole cubic meters (white numbers on black wheels) and 3 decimal places (white numbers on red wheels).

Threads

Meter boss threads vertical inlet/outlet 10 Light 1" to BS746 1987 at 152mm (6") centres. 1" 10 Lt. to ¾" BSP Cap Nut and Liner set available part number SK5.

Case Construction

Pressure die cast aluminium. The Model 750 meter weighs 2.75 kg

Pulse Output Ready

All meters are fitted with a magnet in the far right index wheel and hence each meter is pulse retro fittable in the field 1 pulse / 10 lts.

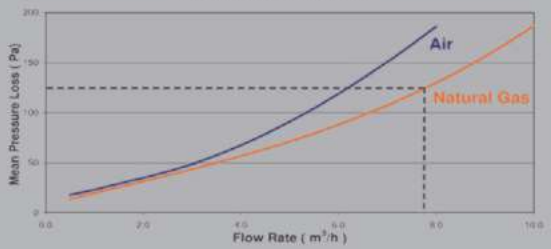
Corrosion Protection

Alodine internal and external pretreatment of castings followed by baked polyester powder coat for maximum corrosion protection.

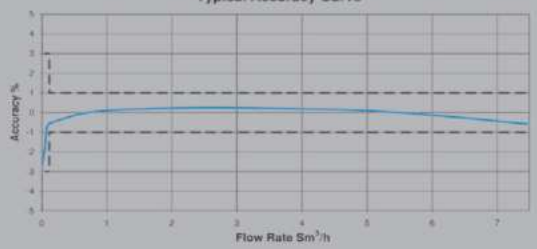
Pulse Output Module

10 litres per pulse using IN-Z61 or IN-Z62 pulse module.

Mean Pressure Loss Curve



Typical Accuracy Curve



Gas Meter/เครื่องวัดปริมาณการใช้แก๊ส

Elster

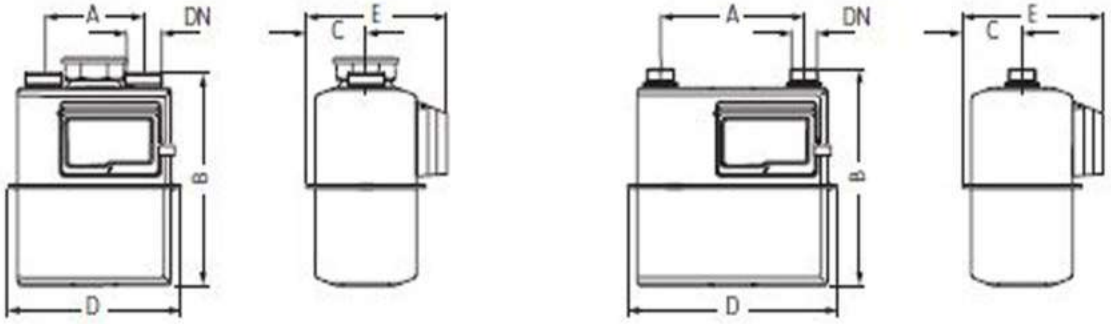




Applications

Media: Natural gas, town gas, propane, butane, air*
Industry: Gas supply
Tasks: Gas measurement at operating conditions**

Dimensions and weights



Type	Dimensions					Weight	Connection size	Thread
	A	B	C	D	E	kg	DN*	
Two-pipe	110	214	67	194	157	1.9	25	1 1/4"
Two-pipe	130	214	67	204	157	1.9	20	1"
Two-pipe	152.4	214	67	235	157	2.0	-	1"**
Two-pipe	160	214	67	235	157	2.0	-	G 7/8 B***
Co-axial	-	215	67	194	157	1.9	25	2"

Additional connection dimensions on request
* According to DIN 3376 ** According to BS 746 *** According to ISO 228-1

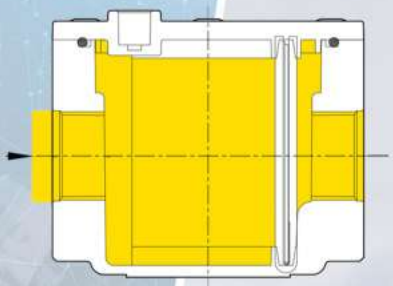
Gas Filter/ อุปกรณ์กรองแก๊ส



Gas Filter / อุปกรณ์กรองแก๊ส

Pietro Fiorentini





CONNESSIONI	A	B	C	D	E	F
1/2"	114		1/2"		106.5	
3/4"	114		3/4"		106.5	
1"	114		1"		106.5	
1"1/4"	150		1"1/4"		135.5	
1"1/2"	150		1"1/2"		135.5	
2"	180		2"		135.5	
DN 25/S		216		DN 25	135.5	
DN 32/S		243		DN 32	135.5	
DN 40/S		269		DN 40	135.5	
DN 50/S		298		DN 50	135.5	
DN 65		354		DN 65	198.5	245.5
DN 80		354		DN 80	198.5	245.5
DN 100		354		DN 100	198.5	245.5
DN 150		474		DN 150	322	

Hanjin



Dimension | 표준성능 및 규격

SIZE (호칭경)	DIA (구경) d	FACE TO FACE (면간거리) L	FLANGE (플랜지) D	C	g	t	n-h	CENTER TO TOP (중심에서 상부높이) H
15A	15	140	95	70	51	14	4-15	68
20A	20	140	100	75	56	16	4-15	77
25A	25	160	125	90	67	16	4-19	91
40A	40	210	140	105	81	18	4-19	154
50A	50	250	155	120	96	18	8-19	170
65A	65	285	175	140	116	20	8-19	220
80A	80	320	200	160	132	22	8-23	270

KITZ



DIMENSIONS UNIT:mm

NOMINAL SIZE	d2	H	H1	L	S1	A	B	C		
3/8	Rc 3/8	44	61	70	23	1.4	2.4	17		
1/2	Rc 1/2	49	68	80	28	1.4	2.4	21		
3/4	Rc 3/4	57	83	100	35	1.4	2.4	24		
1	Rc 1	70	105	115	43	1.4	2.4	29		
1.1/4	Rc 1.1/4	82	124	135	52	1.4	2.4	35		
1.1/2	Rc 1.1/2	98	149	160	59	1.4	2.4	45		
2	Rc 2	121	188	195	72	1.4	2.4	54		
2.1/2	Rc 2.1/2	148	216	230	88	1.5	2.5	70		
3	Rc 3	180	267	240	105	1.5	2.5	85		

NOTE (1) VALVE SIZE IDENTIFICATION.
(2) DON'T USE FOR FLAMMABLE GAS OR TOXIC GAS.

Pressure Gauge & Float Gauge

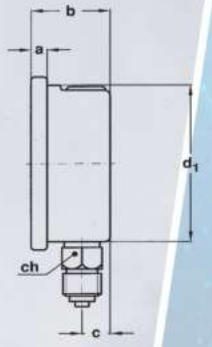
อุปกรณ์วัดแรงดันแก๊ส & วัดระดับน้ำแก๊ส



Pressure Gauge & Float Gauge
อุปกรณ์วัดแรงดันแก๊ส & วัดระดับน้ำแก๊ส

Nouvafima







Pressure Range

0-360 psi
0-300 psi
0-145 psi
0-60 psi
0-36 psi
0-1000 mbar

- LOWER CONNECTION

Mounting	F	a	b	c	d	d_1	h	p	L	ch	Weight (1)
Lower	21M - G 1/4 A	*0.22"*	*1.10"*	*0.39"*	*2.67"*	*2.46"*	*2.17" - 2.13"*		*0.51"*	*0.51" x 0.35"*	*0.28 lbs*
	23M - 1/4-18 NPT	(5,6)	(28)	(10)	(68)	(62,6)	(55,3 - *54,3*)		(13)	(14 x 9)	(0,13 kg)
Back	21M - G 1/4 A	*0.22"*	*1.10"*		*2.67"*	*2.46"*		*1.81" - 2.11"*	*0.39"*	*0.51" x 0.35"*	*0.30 lbs*
	23M - 1/4-18 NPT	(5,6)	(28)		(68)	(62,6)		(54,8 - *53,8*)	(13)	(14 x 9)	(0,14 kg)

dimensions : *inches* (mm)

(1) add *0.15 lbs* (0,07 kg) when filled

1.10.2 - Fillable Model

Design: EN837-1.
Safety designation: S2 as per EN 837-1.
Ranges: *from 0...15 to 0...10000 psi* (from 0...1 to 0...600 bar or other equivalent units).
Accuracy class: 1,6 as per EN 837-1.
Ambient temperature: *-13...+149°F* (-25...+65 °C).
Process fluid temperature: *+212°F* (max +100 °C).
Thermal drift: max ±0,4 %/10 °C of ranges (starting from + *68 °F* - 20 °C).
Working pressure:
75% of FSV for static pressure;
66% of FSV for pulsating pressure.
Over pressure limit (15 min max):
25% of FSV for pressure ranges ≤ *1500 psi* (100 bar);
15% of FSV for pressure ranges over *1500 psi* (100 bar).
Protection degree: IP 67 as per EN 60529/IEC 529.
Socket material: copper alloy.
Bourdon tube: copper alloy.
Case: stainles steel.
Ring: stainless steel, polished, crimped
Window: polycarbonate.
Movement: copper and stainless steel.
Dial: plastic, white with black markings
Pointer: not adjustable, aluminium, black

1.10.3 - Filled Model

Damping liquid: glycerine 98% or silicon oil.
Ambient temperature:
+32...+149 °F (0...+65 °C) with glycerine filling;
-40...+149 °F (-40...+65 °C) with silicon oil filling.
Process fluid temperature: *max +149°F* (+65 °C).
Other features: as fillable model.

Pressure Gauge & Float Gauge
อุปกรณ์วัดแรงดันแก๊ส & วัดระดับน้ำแก๊ส

REGO MADE IN THE USA

1" Rotogages® for Large Mobile and Stationary Containers
A9090 Series



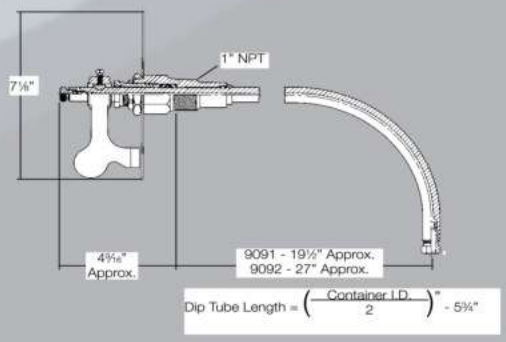
Tubes for use with A9090 Series Roto Gauges
Cut to length required.

Service	Part Number
Up to 48"	A9091-M24.0
Up to 72"	A9091-M36.0
Up to 96"	A9091-M48.0
Up to 120"	A9091-M60.0
Up to 144"	A9091-M72.0

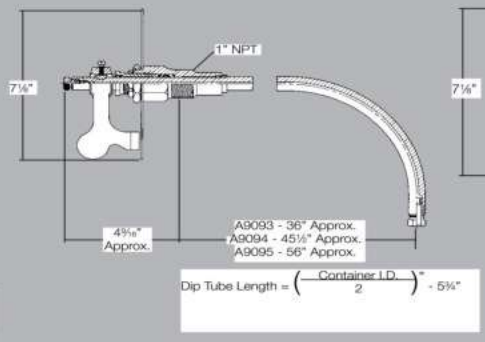
Part Number	Service	Container Size
A9091-18L	LP-Gas	All Sizes
A9091-18LX*	LP-Gas	Over 1200 U.S. gallons
A9091-18N	NH_3	All Sizes

1" Rotogages® for Large Mobile and Stationary Containers

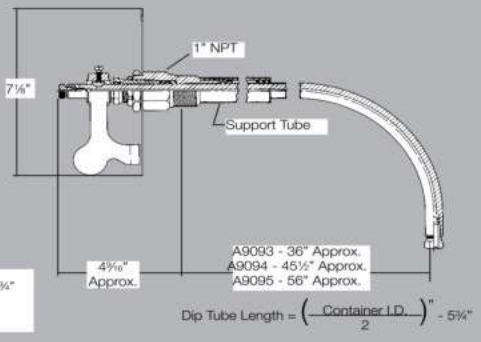
For Small Mobile or Stationary Containers
A9091R and A9092R Series



For Large Stationary Containers
9093RS, 9094RS and 9095RS Series



For Large Mobile or Stationary Containers
A9093TS, A9094TS and A9095TS Series



Part Number		For Container Inside Diameter			
		Ellipsoidal Heads		Hemispherical Heads	
For Mobile or Stationary Containers	For Stationary Containers Only	Side Mounted	End Mounted	Side Mounted	End Mounted
A9091R	-	30" - 45"	30" - 75"	30" - 45"	30" - 45"
A9092R	-	46" - 61"	76" - 108"	46" - 61"	46" - 61"
A9093TS*	A9093RS	62" - 79"	109" - 147"	62" - 79"	62" - 79"
A9094TS*	A9094RS	80" - 99"	-	80" - 99"	80" - 99"
A9095TS*	A9095RS	100" - 147"	-	100" - 147"	100" - 147"

Pressure Gauge & Float Gauge
อุปกรณ์วัดแรงดันแก๊ส & วัดระดับน้ำแก๊ส

IMARI

เทอร์โมมิเตอร์ THERMOMETER

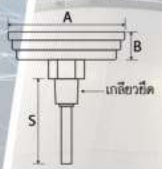
เทอร์โมมิเตอร์ แบบ Bi-metal

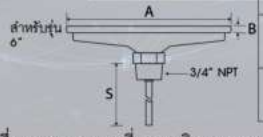
TYPE-T
แบบก้านวัด (Ø6.35 มม.) ออกด้านหลัง
ตัวเรือนและก้านวัดเป็นสเตนเลส
SUS304





ขนาดและรูปร่าง
(หน่วย : มม.)





ขนาดหน้าปัด x ความยาวก้านวัด (S)	เกลียวยึด	ขนาดตัวเรือน (ØA x B)	ย่านวัดอุณหภูมิ °C (°F)
2" x 2"	1/4" NPT	Ø68 x 16 มม.	-50~+50 (-60~+120), -20~+80 (-4~+180), 0~100 (30~212), 0~150 (32~300), 0~200 (30~400)
3" x 2"			0~100 (32~212)
3" x 4"	1/2" NPT	Ø83 x 16 มม.	-20~+80 (-4~+180), 0~120 (30~250), 0~150 (30~300), 0~200 (30~400), 0~300 (30~570), 0~400 (0~750), 0~500 (50~950), 0~600 (30~1100)
4" x 6"		Ø109 x 16 มม.	0~100 (32~210), 0~120 (30~250), 0~200 (30~400), 0~300 (30~570), 0~400 (30~750), 0~500 (50~950), 0~600 (30~1100)
4" x 8"			0~120 (30~250), 0~200 (30~400), 0~300 (30~570), 0~400 (40~750), 0~600 (30~1100)
4" x 12"			0~120 (30~250), 0~200 (30~400), 0~300 (30~570), 0~400 (0~750), 0~600 (30~1100)
6" x 8"	3/4" NPT	Ø161 x 16 มม.	0~120 (32~250), 0~200 (30~400), 0~300 (40~570), 0~400 (40~750), 0~500 (50~950), 0~600 (30~1100)
6" x 12"			0~120 (30~250), 0~200 (30~400), 0~400 (0~750), 0~600 (30~1100)

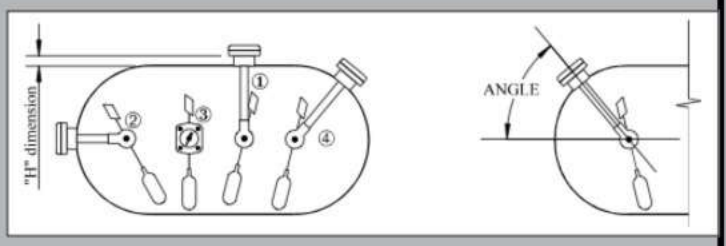
ความเที่ยงตรง : ±5%FS ที่อุณหภูมิ 20~80% ของย่านวัด, ±10%FS เมื่อวัดที่ช่วงอุณหภูมิอื่นๆ

ROCHESTER GAUGES INT.



Mounting position

Gauges of serie 6200 can be manufactured for any mounting position.



Vertical :Top mounted 1
Horizontal :end mounted 2
Horizontal :Side mounted 3
Angle : angles mounted 4
(angle for angle mounted gauge is specified from horizontal, positive above horizontal, negative below horizontal)

Product	Temperature range	Presure
Butane, propane, LPG	-40°C / +70°C	25 Bars
NH3	-40°C / +70°C	30 Bars
Refrigerant (except R12B1, R21, R22, R40, R40B1 & R114B2)	-40°C / +70°C	30 Bars
Mapp	-40°C / +70°C	15 Bars
DME	-40°C / +70°C	18 Bars

They have been certified by APRAGAZ, notified body 0029.

Miscellaneous Products / อุปกรณ์อื่นๆ



Coupling PTT



Coupling WP



Emergency Box+Sling



Oil Trap



Hose



Control Panel

Special Information/ข้อมูลพิเศษ

เรียนลูกค้าที่เคารพ

สินค้าที่ทางเราได้ลงในแคตตาล็อกนั้นเป็นสินค้าที่เราจำหน่ายและส่วนมากมีการเก็บสต๊อกเพื่อพร้อมจำหน่ายให้แก่ลูกค้า หากลูกค้าพบว่าสินค้าที่ท่านกำลังหาอยู่หรือไม่พบในแคตตาล็อกนี้ กรุณาติดต่อมาทางเราเพื่อสอบถาม เนื่องจากเราไม่สามารถลงสินค้าทุกประเภทได้หมด หากเป็นยี่ห้อที่เราจัดจำหน่ายอยู่นั้นนอกเหนือจากระบบแก๊ส เช่น ระบบน้ำ ทางเราก็สามารถจัดหายี่ห้อนั้นได้ แต่ทางเราต้องแจ้งให้ทราบว่าต้องใช้เวลาในการจัดหาเพราะสินค้าของเราทุกตัวนำเข้ามาเกือบทั้งหมด

ทางเราจึงเรียนเพื่อให้ท่านรับทราบ

ขอขอบพระคุณลูกค้าอีกครั้งที่สละเวลาและหวังเป็นอย่างยิ่งที่จะได้รับโอกาสในการจัดจำหน่ายอุปกรณ์และดูแลท่านสำหรับการบริการที่เรามี

ขอบพระคุณครับ

นาย อดิเรก ปัญญา
ผู้จัดการฝ่ายขายและการตลาด



DEECHOICE
BUSINESS PARTNER

ทางบริษัทขอขอบพระคุณลูกค้าที่
สละเวลาในการชมสินค้าของเรา

We appreciate for all your time
on viewing our products

Deechoice Group

DEECHOICE
BUSINESS PARTNER

WEBSITE

DEECHOICE'S WEBSITE

LINE ID

OUR LINE OFFICAIL

MAP

DEECHOICE'S MAP