



# Model 6211/6212



Doc: CH-6211/03

Jun 2009

## Air operated fully lugged butterfly valve with kit

Fully lugged and tapped butterfly valve with stainless steel disc (see below for liner), fitted via stainless steel mounting kit with CH-air 'A' type pneumatic actuator. Supplied assembled and dry bench function tested. Minimum of 80 psi (5.5 bar) air supply pressure to the actuator is required.

- 6211E EPDM liner with double acting actuator
- 6212E EPDM liner with spring return actuator
- 6211N NBR liner with double acting actuator
- 6212N NBR liner with spring return actuator

With EPDM, the valve is WRAS approved.

### Applications:

Water and most non-corrosive media, subject to compatibility with wetted parts in contact with media. Actuators sized on a maximum differential pressure of 10 bar wet service, if the intended duty is above this differential, or dry (air or gas) call to check actuator sizing as a larger output actuator may be required.

Maximum working temperature of assembly is +90C. If the intended duty is at a higher temperature than this, contact us for information on high temperature liner options.

### Valve Specifications:

Body	Ductile iron
Disc	Stainless steel
Liner	Standard is EPDM or NBR (others available)
Pressure rating	DN 50-150 16 bar, Rest 10 bar . (16 bar valves available but may be from different manufacturer)
Valve temp limits	-20 to +90°C
Actuator temp limits	-20 to + 70°C

### Accessories:

#### Solenoid control:

This provides electrical control of the valve. The air is constantly supplied to the solenoid which in turn controls the air to and from the actuator. The solenoid direct mounts to the actuator using the actuator's Namur connection.

#### Position Confirmation:

Remote end of travel confirmation can be provided by adding a top mounted limit switch box. A variety of switch options and housings are available. See our LSB range for details.

#### Position control:

The standard on/ off function can be converted to modulating function, using either a 3-15psi or 4-20mA control signal, by adding a pneumatic or electro-pneumatic positioner. See our YT range for details.



### Quick guide to the CH-air A Type actuator standard features :

*Robust rack and pinion construction*

*High accuracy machining of components*

*ATEX Ex II 2 GD approved for use in hazardous areas*

*CE Approved*

*Guaranteed for 1,000,000 cycles*

*Balanced air & spring strokes in spring return version*

*Safe to dismantle for routine maintenance*

*Compliant with all actuator standards*

*Accessories are easy to mount*

*Hard anodised aluminium body*

*ENP coated option (Extra cost)*

*Teflon® coated option (Extra cost)*

*Stainless steel version (Extra cost)*



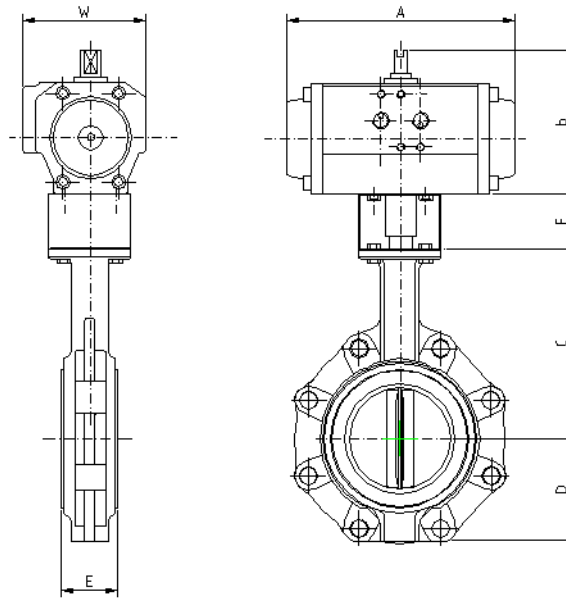
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## Air operated lugged pattern butterfly valve with kit - Dimensions (to nearest mm)



Double Acting											
	Model	A	B	C	D	E	F	H	W	Kilos	Standard flange
2"	CH063	156	103	210	84	43	50	363	86	6.6	PN16
2 1/2"	CH063	156	103	227	93	46	50	380	86	7.3	PN16
3"	CH063	156	103	261	104	46	50	414	86	10.4	PN16
4"	CH075	210	120	282	115	52	50	452	94	12.9	PN16
5"	CH075	210	120	307	127	56	50	477	94	13.2	PN16
6"	CH100	281	145	353	150	56	50	548	120	19.1	PN16
8"	CH100	281	145	404	176	60	70	619	120	27.4	PN10 **
10"	CH115	310	172	478	212	68	70	720	134	42.7	PN10 **
12"	CH125	362	172	528	237	78	70	770	141	53.4	PN10 **
Spring Return											
2"	CH063SR	156	103	210	84	43	50	363	86	6.9	PN16
2 1/2"	CH063SR	156	103	227	93	46	50	380	94	8.0	PN16
3"	CH075SR	210	120	261	104	46	50	431	94	12.1	PN16
4"	CH085SR	228	130	282	115	52	50	462	104	14.8	PN16
5"	CH100SR	281	145	307	127	56	50	502	120	17.0	PN16
6"	CH125SR	362	185	353	150	56	70	608	141	27.1	PN16
8"	CH145SR	390	205	404	176	60	70	679	163	40.6	PN10 **
10"	CH160SR	462	196	478	212	68	70	744	176	52.0	PN10 **
12"	CH180SR	474	270	528	237	78	70	868	196	77.2	PN10 **

Sizes 1" ~ 1 1/2", and above

12" are available on request

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\*\* PN16 available on request