Pneumatically operated modular valve 2/2 N.C. | double acting Bidirectional

SERIE 21IZ3
(BSP Threaded Connection)



PRESENTATION:

- High flow rate due to optimized flow path on modular body design.
- Optimized design to reduce water hammer effects (below seat).
- Stainless steel body, corrosion resistant.
- Self positioning plug to ensure proper sealing.
- Optical position indicator.
- Stem packing self adjusting for long life service.
- Mounting orientation freely selectable.
- The pneumatic actuator can be 360° freely rotated.

USE:

Fluids, gases, vapours (neutral, aggressive)

NOMINAL SIZE:

015 → G = 1/2", D=25
025 → G = 1", D=32

VALVE FEATURES:

Fluid Temperature	- 10°C + 180°C
Ambient temperature	- 10°C + 80°C
Fluid viscosity	max 600 cSt
Body	AISI 316
Seating seal	PTFE
Packing	PTFE

PILOT ACTUATOR FEATURES:

Pilot fluid	Air, inert gases
Fluid Temperature	max + 80°C
Housing	AISI 304
Piston seal	FKM
Size	Ø 50

CE

CE Approval
(Pressure Equipment Directive 2014/68/EU)

Nota
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

The "ODE " reserves the right to carry out technical and aesthetic modifications without prior notice.

N.C. pressure above seat

Pipe ISO 228/1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
G 1/2	21IZ3DS1ATT015BP	18	101	3	4	0	16	16
G 1	21IZ3DS1ATT025BP	24	185	3	4,5	0	16	16

N.C. pressure below seat

Pipe ISO 228/1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
G 1/2	21IZ3DS1ATT015BP	18	101	4,5	8	0	14	16
G 1	21IZ3DS1ATT025BP	24	185	4,5	8	0	7,5	16

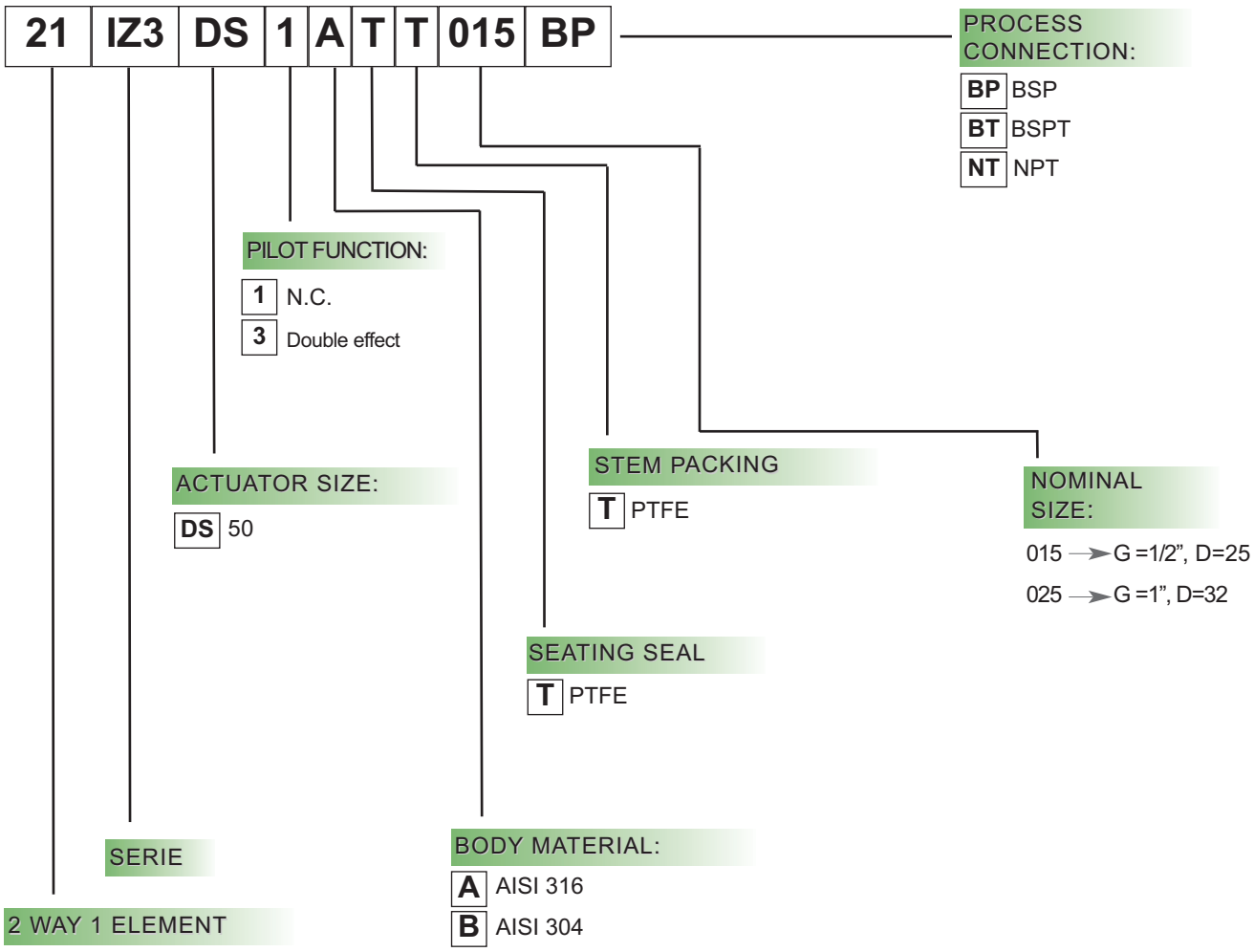
Double acting pressure above seat

Pipe ISO 228/1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
G 1/2	21IZ3DS3ATT015BP	18	101	3	4	0	16	16
G 1	21IZ3DS3ATT025BP	24	185	3	4,5	0	16	16

Double acting pressure below seat

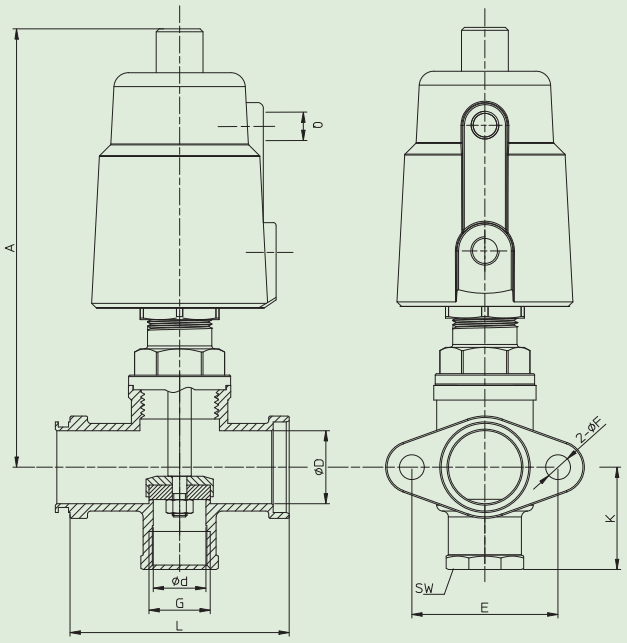
Pipe ISO 228/1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
G 1/2	21IZ3DS3ATT015BP	18	101	3	8	0	16	16
G 1	21IZ3DS3ATT025BP	24	185	3	6	0	13	16

ORDERING CODE



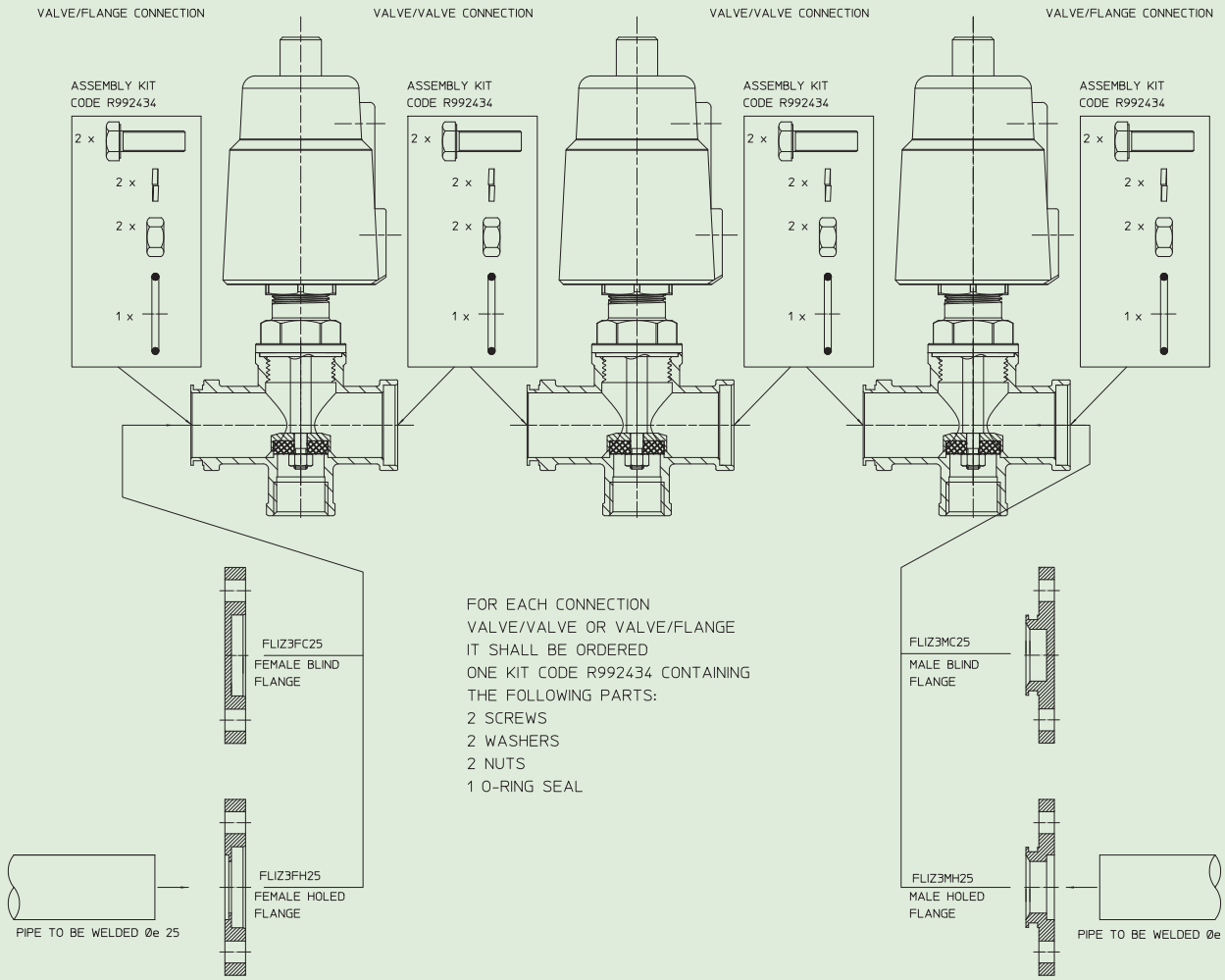
Type	G Pipe ISO 228/1	A mm	D mm	d mm	E mm	2-ØF mm	K mm	L mm	Q ISO 228/1	SW	Weight Kg
21IZ3DS1ATT015BP	G 1/2	153	25	18	50	8,5	35	76	G 1/8	27	1,2
21IZ3DS1ATT025BP	G 1		32	24	57		46	90	G 1/8	39	1,6
21IZ3DS3ATT015BP	G 1/2		25	18	50		35	76	G 1/8	27	1,2
21IZ3DS3ATT025BP	G 1		32	24	57		46	90	G 1/8	39	1,6

DIMENSIONS:



NOMINAL SIZE 015

ASSEMBLY ACCESSORIES:



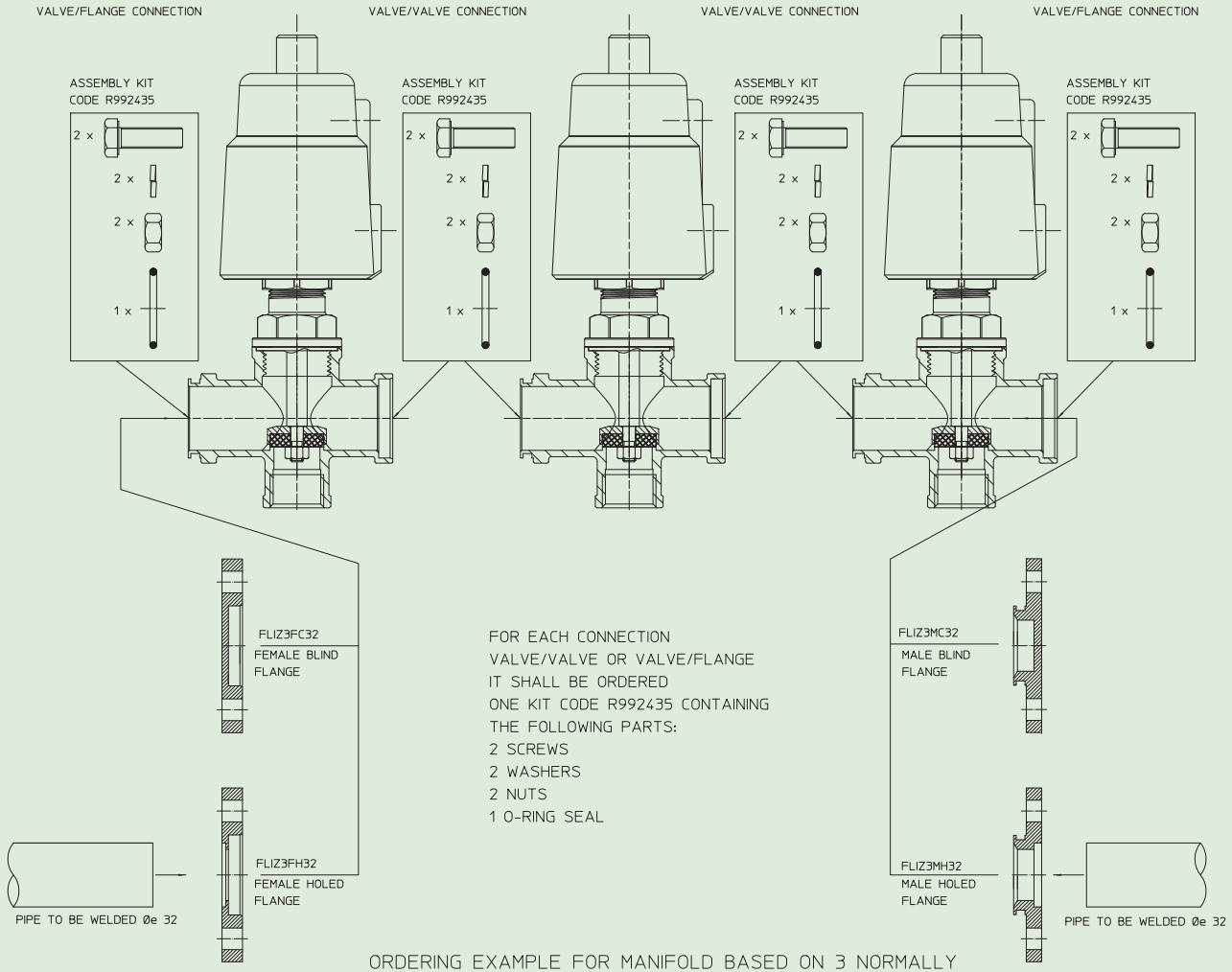
FOR EACH CONNECTION
VALVE/VALVE OR VALVE/FLANGE
IT SHALL BE ORDERED
ONE KIT CODE R992434 CONTAINING
THE FOLLOWING PARTS:
2 SCREWS
2 WASHERS
2 NUTS
1 O-RING SEAL

ORDERING EXAMPLE FOR MANIFOLD BASED ON 3 NORMALLY CLOSED VALVES

N. 3 VALVES COD. 21IZ3DS1ATT015BP
N. 4 KIT COD. R992434
N. 1 MALE FLANGE TO BE CHOOSEN BETWEEN COD. FLIZ3MC25 O COD. FLIZ3MH25
N. 1 FEMALE FLANGE TO BE CHOOSEN BETWEEN COD. FLIZ3FC25 O COD. FLIZ3FH25

NOMINAL SIZE 025

ASSEMBLY ACCESSORIES:



FOR EACH CONNECTION
VALVE/VALVE OR VALVE/FLANGE
IT SHALL BE ORDERED
ONE KIT CODE R992435 CONTAINING
THE FOLLOWING PARTS:
2 SCREWS
2 WASHERS
2 NUTS
1 O-RING SEAL

ORDERING EXAMPLE FOR MANIFOLD BASED ON 3 NORMALLY CLOSED VALVES

N. 3 VALVES CODE 21IZ3DS1ATT025BP
N. 4 KIT CODE R992435
N. 1 MALE FLANGE TO BE CHOOSEN BETWEEN CODE FLIZ3MC32 OR CODE FLIZ3MH32
N. 1 FEMALE FLANGE TO BE CHOOSEN BETWEEN CODE FLIZ3FC32 OR CODE FLIZ3FH32