



Pneumatic piston actuated coaxial shuttle valve 2/2 N.C. | N.O. | double acting, pressure above seat

SERIE 21SH4
(Flanged Connections
DIN 2543)

PRESENTATION:

- High flow rate with reduced pressure losses due to optimized internal flow path.
- Compact design, fast acting
- Stainless steel body, corrosion resistant.
- Mounting position freely selectable.
- Suitable for low vacuum (L.V. 150 mmHg)
- Flow path: Unidirectional

USE: Fluids, gases, vapours (neutral, aggressive)

NOMINAL SIZE: DN65-DN100

VALVE FEATURES:

Fluid Temperature	FKM - 20°C + 150°C EPDM - 20°C + 130°C
Ambient temperature	- 20°C + 80°C
Fluid viscosity	max 500 cSt
Body	AISI 304
Seating seal	FKM, EPDM (*)
Lip seal	FKM, EPDM (*)

ACTUATOR FEATURES:

Pilot fluid	Air, inert gases
Fluid Temperature	max + 80°C
Piston seal	FKM



(*) Gaskets

V=FKM (fluoroelastomer)

E=EPDM (ethylene-propylene)

For seals other than FKM replace the letter "V" with the ones corresponding to the other seals.
E.I. 21SH41**BE**65FL.



CE Approval

(Pressure Equipment Directive 2014/68/EU)

for Valve 21SH4..65 ÷ ..100..

Nota

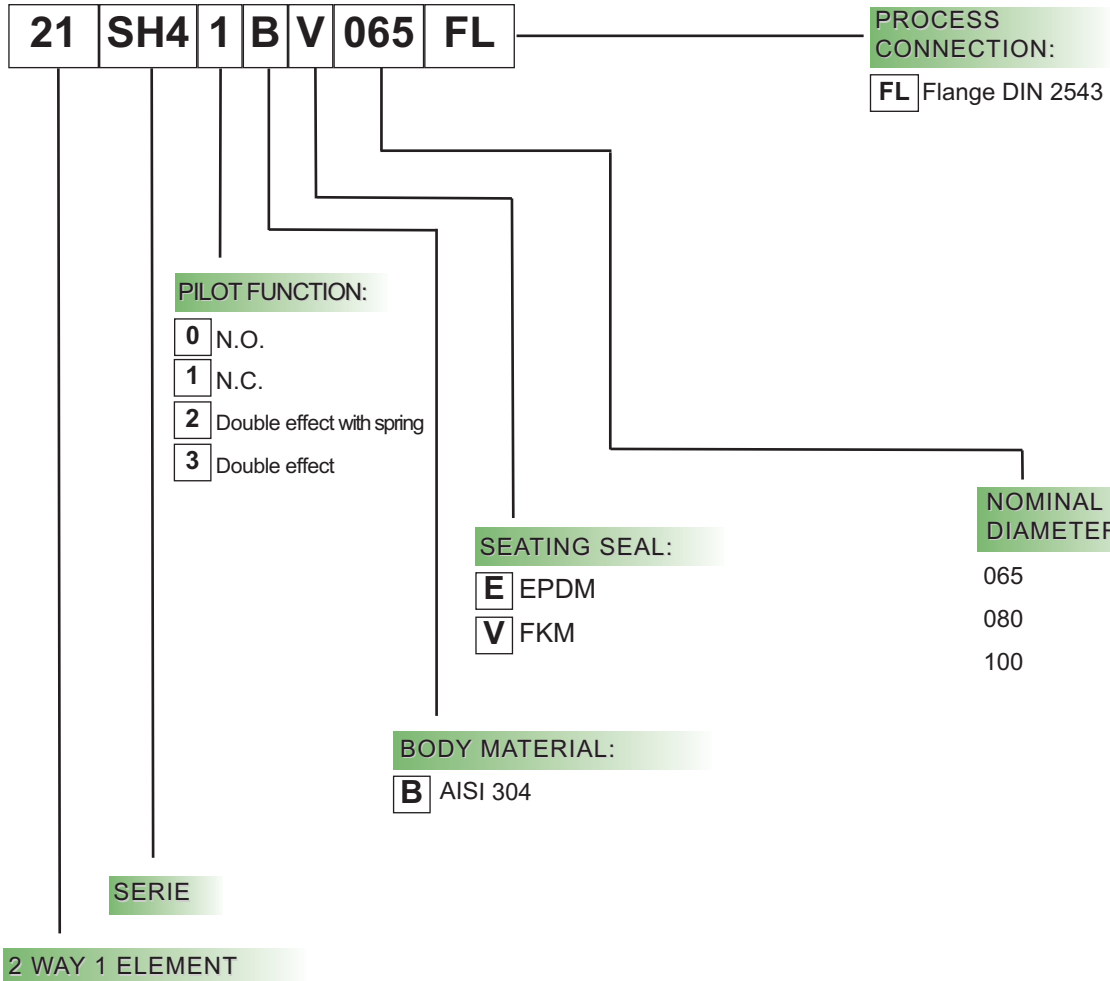
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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

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)
N.C.								
DN65	21SH41BV065FL	66	1738	3	5	0	12	16
DN80	21SH41BV080FL	75	2525	3	5	0	12	16
DN100	21SH4BV100FL	94	3600	3	5	0	12	16
N.O.								
DN65	21SH40BV065FL	66	1738	3	5	0	12	16
DN80	21SH40BV080FL	75	2525	3	5	0	12	16
DN100	21SH40BV100FL	94	3600	3	5	0	12	16
Double effect with spring (N.C.)								
DN65	21SH42BV065FL	66	1738	3	5	0	12	16
DN80	21SH42BV080FL	75	2525	3	5	0	12	16
DN100	21SH42BV100FL	94	3600	3	5	0	12	16
Double effect								
DN65	21SH43BV065FL	66	1738	3	5	0	12	16
DN80	21SH43BV080FL	75	2525	3	5	0	12	16
DN100	21SH43BV100FL	94	3600	3	5	0	12	16



ORDERING CODE



Type	Pipe DIN 2543	C mm	D mm	Ø E mm	Ø F mm	H mm	L mm	Ø M mm	Ø N mm	Ø P mm	α	Weight Kg
N.C.												
21SH41BV065FL	DN65	2	85	145	4-Ø18	20	192	66	120	180	45	10
21SH41BV080FL	DN80	2	92	160	8-Ø18	20	212	75	135	195	22,5	13,3
21SH41BV100FL	DN100	2	102	180	8-Ø18	20	227	94	155	215	22,5	16,3
N.O.												
21SH40BV065FL	DN65	2	85	145	4-Ø18	20	192	66	120	180	45	10
21SH40BV080FL	DN80	2	92	160	8-Ø18	20	212	75	135	195	22,5	13,3
21SH40BV100FL	DN100	2	102	180	8-Ø18	20	227	94	155	215	22,5	16,3
Double effect with spring (N.C.)												
21SH42BV065FL	DN65	2	85	145	4-Ø18	20	192	66	120	180	45	10
21SH42BV080FL	DN80	2	92	160	8-Ø18	20	212	75	135	195	22,5	13,3
21SH42BV100FL	DN100	2	102	180	8-Ø18	20	227	94	155	215	22,5	16,3
Double effect												
21SH43BV065FL	DN65	2	85	145	4-Ø18	20	192	66	120	180	45	10
21SH43BV080FL	DN80	2	92	160	8-Ø18	20	212	75	135	195	22,5	13,3
21SH43BV100FL	DN100	2	102	180	8-Ø18	20	227	94	155	215	22,5	16,3

DIMENSIONS:

