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Type codes for valves and operations

The code described below is to enable finished products to be found again in the computer. The code uses alphanumeric encodings which are built up as redundantly as possible. Furthermore, the most important elements of the code (which are later used for searching) are to be self-explanatory.
The individual elements of the code are ordered in decreasing order of importance to ensure an effective search process in the computer. In addition, the individual groups in the code are to be separated by dashes (no empty spaces). The designations in the key should be most easily recognizable. Numeric combinations should be avoided except when they state any dimensions.
The code consists of three elements. The first element describes the product / valve group. For valves the code starts with an abbreviation designating the valve group and the switching position. In case of operations, this also designates the operation process. Then, there follows the nominal width of the valve or, in case of operations, the nominal width for which it is intended. This block is built up in largely the same way wherever it occurs. Next, there follows product-specifying information. This area is specific for the various different groups and will then need to be decoded if necessary.
The final group is again the same for each product. Here, a modification number and, if necessary, a plain text description for special versions are shown. This group need not to be there.
If approved components are used, use the type designations which is shown in the approval, or this designation should at least appear in the code.

Contents

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1. List of valve designations

AV	Shut-off valve
BDR	Pressure switch
DAV	Throttle shut-off valve
DBV	Pressure limiting valve
DMV	Pressure reducing valve (mounted version)
DMC	Pressure reducing valve (cartridge)
DRV	Throttle check valve
E	Actuation electromagnet (standard, prop., ex-proof)
ERV	Unlockable check valve
ESC	Fitted seat valve - cartridge (new build type, self-closing)
ESV	Fitted seat valve (block assembly version)
ESS	Fitted seat valve - standard (new build type, self-closing, but TIBA cartridge)
HA	Manual operation
HY	Operation - hydraulic cylinder
I..	Ex-proof elements, primarily intrinsically safe
KPV	Ball proportional valve
KSV	Ball seat valve
PAV	Plate mounting valve
PDB	Proportional pressure limiting valve
PDM	Proportional pressure reducing valve
PSC	Proportional seat valve-cartridge (new build type, self-closing)
PSV	Proportional seat valve (block assembly version)
PSS	Proportional seat valve-cartridge (new build type, self-closing, but TIBA cartridge)
REV	Pipe assembly valve (block valve)
RV	Check valve
RVC	Check valve - cartridge
RVP	Check valve - cartridge
SBV	Lower/Brake shut-off-valve
WV	Shuttle valve
ZWV	Intermediate valve (special block valves, these are also encoded under block valves)

2. Pressure levels (for valves)

Pressure levels are assigned by an item number, with the individual pressures being differentiated in accordance with DIN 2401.

Limit press. in bar	Level
1	1
1,6	2
2	3
2,5	4
3,2	5
4	6
5	7
6	8
8	9
10	10

Limit press. in bar	Level
12,5	11
16	12
20	13
25	14
32	15
40	16
50	17
60	18
80	19
100	20

Limit press. in bar	Level
125	21
160	22
200	23
250	24
320	25
400	26
500	27
630	28
700	29
800	30

Table 3.1: Pressure levels acc. to DIN 2401

3. Different codes

Various different code fields occur in the same way in the various different product groups. Only common designations and meanings are used here. However, it is possible (and then it will be listed next to the relevant product group), that not all levels specified here are available for the relevant product group.

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3.1 AV, DAV: Shut-off valve, throttle shut-off valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	V	-	0	3	2	-	2	5	H	N	N	N																	
1			2				3	4	5	6	7	8																	

1. Designation

AV = shut-off valve
DAV = throttle shut-off valve

2. Nominal width

010 = NG 10
016 = NG 16
025 = NG 32
040 = NG 40
050 = NG 50
065 = NG 65
080 = NG 80

2. Designation

AV = shut-off valve
DAV = throttle shut-off valve

3. Nominal width

010 = NG 83,57142857
016 = NG 93,30952381

4. Stroke monitoring

N = without stroke monitoring
G = with stroke monitoring for closed position
H = with stroke monitoring for open position
B = with stroke monitoring for open and closed

5. Sealing material

N = NBR

5. Stroke monitoring

N = without stroke monitoring
G = with stroke monitoring for closed position
H = with stroke monitoring for open position
B = with stroke monitoring for open and closed

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
S	H	U	T	O	F	F		V	A	L	V	E								

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
T	H	R	O	T	T	L	E		S	H	U	T	O	F	F		V	A	L	.

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3.2 BAV / REV / ZWV : Block valve - plate-mounting, pipeline fitting and intermediate valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	2	/	B	A	V	-	0	2	5	-	0	6	-	X	I	S	-	N	S	S	N	-	25						
1							2				3			4		5		6	7	8	9		10						

1. Designation

2/2 BAV = 2/2 dir. contr. block mounting valve
3/2 BAV = 3/2 dir. contr. block mounting valve
4/2 BAV = 4/2 dir. contr. block mounting valve
2/2 REV = 2/2 dir. contr. pipe assembly valve
3/2 ZWV = 3/2 dir. contr. intermediate valve

2. Nominal width

Table for BAV:

NG	Std. plt-ctrl	Port
009	06	
010	03 (nom. 06)	
015	06	
025	06	
032	06	
040	06	
050	06	

Table for REV:

NG	Std. plt-ctrl	Std. Flange
009	06	
010	03 (nom. 06)	R 1/2
015	06	
025	06	
032	06	FA 32 / 400 bar
040	06	
050	06	

Table for ZWV:

NG	Std. plt-ctrl	Port
009	06	
016	06	
025	06	

3.Pilot-controls

Standard see table at 2.
03 = NG 3
06 = NG 6

4. Version

XI = External pilot control, internal leakage port
II = Internal pilot-control pressure, internal leakage port
XL= External pilot-control pressure, external leakage port
IL = Internal pilot-control pressure, external leakage port
external leakage port only available for 3/2 dir. contr. valve

5. Hydraulic version

S = Depressurized closing (spring)
O= Depressurized opening (spring)
N= Without spring
F = Fail-safe closed pressure open approx. 50 bar

6. Seal

N = NBR
V = Viton

7. Environmental conditions (mat. housing)

N = Standard
S = Aggressive (e.g. containing salt)

8. Medium (material internal parts)

E = Emulsion/water/glycol/oil
S = Aggressive (e.g. containing salt)
V = (VE-) desalinated water

9. Position monitoring

N = Not available (standard)
G = Closed position
O = Open position
B = Open and closed position

10. Pressure level

25 = 0....315 bar
26 = to 400 bar

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
B	L	O	C	K		M	O	U	N	T	I	N	G		V	A	L	V	E	

or

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
P	I	P	E		F	I	T	T	I	N	G		V	A	L	V	E			

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3.3 BDR: Pressure switch operation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	D	R	-	0	6	-	S	N	N	N	-	2	5	-	*	*													
1				2			3	4	5	6		7			8														

1. Designation

BDR = Pressure switch operation

2. Nominal width

of the valve to be mounted

03 = NG 3
06 = NG 6

3. Switch direction

S = Switching when pressure increases
A = Switching when pressure decreases

4. Environmental conditions

N = Standard
S = Aggressive (e.g. contains salt, corrosive)

5. Medium

N = Standard (non-corrosive media)
S = Corrosive media (acid gas)

6. Additives

N = None
T = Pushbutton for external release

7. Adjustment pressure

see table 3.1

8. Optional special version

State in plain text

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
P	R	E	S	S	U	R	E		S	W	I	T	C	H						

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3.4 BRA: Snap-in switch operation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	R	A	-	0	6	-	N	N	-	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*					
1				2			3	4																					

1. Designation

BRA = Snap-in switch operation

2. Nominal size

of the valve to be mounted

03 = NG 3
06 = NG 6

3. Environment

N = Standard
S = Aggressive (e.g. containing salt)

4. Version

N = Normal
H = With additional manual operation

The additional fields may be electromagnets, ex-proof magnets, manual operations, or cylinders. In the case of two equal actuations, only one code will be inserted into an asterisk field. The second field is only used for two different actuations. The activating operation (actuation) shall be the first.

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
S	N	A	P	I	N		S	W	I	T	C	H								

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3.5 DBV / PDB : Pressure limiting valve / proportional pressure limiting valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
D	B	V	-	0	2	5	-	1	0	-	E	P	N	N	N	E	-	2	5	-	*	*							
1			2				3				4	5	6	7	8	9					10								

1. Designation

DBV = Pressure limiting valve
PDB = Proportional Pressure limiting valve

2. Nominal size

NG	Std. plt-ctrl	Port
006	00	
010	00	
016	06	
025	06	
032		
040		
050		

3. Pilot-control

Standard see table at 2.
06 = NG 6
10 = NG 10

4. Version

E = with relief valve, normally open
S = with relief valve, normally closed
N = without relief valve

5. Design

R = for pipe mounting
P = for plate mounting
C = cartridge

6. Leakage line (for pilot-controlled valves)

N = internal (standard)
E = external

7. Sealing material

N = NBR

8. Environmental conditions (mat. housing)

N = Standard
S = Aggressive (e.g. containing salt)

9. Medium (material internal parts)

E = Emulsion / water / glycol / oil
S = Aggressive (e.g. containing salt)
V = (VE-) desalinated water

10. Pressure level (setting range)

20 = 40 to 100 bar
22 = 100 to 160 bar
25 = 150 to 320 bar

11. Optional special version

(shown in plain text)

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
P	R	E	S	S	U	R	E		L	I	M	I	T	I	N	G		V	A	L	.

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3.5 DBV / PDB : Pressure limiting valve / proportional pressure limiting valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
D	M	V	-	0	3	2	-	2	5	-	E	P	N	N	N	-	2	5												
1			2					3			4	5	6	7	8		9													

1. Designation

DMV = Pressure reducing valve
PDMV = Proprtional pressure reducing valve

2. Nominal size

006 = NG 6
010 = NG 10
016 = NG 16
025 = NG 25
032 = NG 32

3. Operating pressure

20 = 100 bar
25 = 320 bar
26 = 400 bar

4. Control

I = internal
E = external

5. Design

P = plate mounting

6. Sealing material

N = NBR

7. Environmental

N = Standard
S = Aggressive (e.g. containing salt)

8. Medium (material internal parts)

E = Emulsion / water / glycol / oil
S = Aggressive (e.g. containing salt)
V = (VE-) desalinated water

9. Setting range

20 = 40 to 100 bar
22 = 100 to 160 bar
25 = 150 to 320 bar

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
P	R	E	S	S	U	R	E		R	E	D	U	C	I	N	G		V	A	L	.

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3.7 ERV : Unlockable check valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
E	R	V	-	0	2	5	-	2	5	-	E	P	N	N	E														
1				2				3			4	5	6	7	8														

1. Designation

ERV = unlockable check valve

2. Nominal size

010 = DN 10
012 = DN 12
013 = DN 13
016 = DN 16
025 = DN 25
032 = DN 32
040 = DN 40
050 = DN 50

3. Operating pressure

22 = 160 bar
25 = 320 bar
26 = 400 bar

4. Function monitoring

N = none (normal)
G = closed position
B = both positions

5. Design

P = Plate mounting
R = Pipe mounting
S = Plug-in type connection

6. Sealing material

N = NBR

7. Environment

N =S tandard
S = Aggressive (e.g. containing salt)

8. Medium (material internal parts)

E = Emulsion / water / glycol / oil
S = Aggressive (e.g. containing salts)
V = (VE-) desalinated water

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
U	N	L	O	C	K	.		C	H	E	C	K		V	A	L	V	E			

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3.8 ESV / ESC / ESS : Fitted seat valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	/	2	E	S	V	-	0	2	5	-	0	6	-	N	D	1	G	N	N	E	N	-	2	5	-	1	0	*	*
1							2				3			4	5		6	7	8	9	10		11				12		13	

1. Designation

ESV = 2/2 dir. contr. fitted seat valve standard with Tiefenbach cartridge
ESC = 2/2 dir. contr. auto-closing valve with DIN cartridge
ESS = 2/2 dir. contr. auto-closing valve with Tiefenbach cartridge

2. Nominal size

NG	Standard plt-ctrl	Flow L/min.
010	03	47
016	03	120
020	03	185
025	06	290
032	06	480
040	06	750
050	06	1175
065	09	1990
080	09	3000
100	25	4700
125	25	7300
150	25	10600
175	25	14400
200	25	18800

5. Piston rod version

D1= Throttle pinion
L1 = Longer pinion
O1= Without pinion
B1= Bored piston rod with throttle pinion

6. Cover version

N = Cover with stroke limitation and preparation for limit switch rail
G = Cover with stroke limitation and thread bore for limit switches
H = High cover with stroke limitation and preparation for limit witch rail
O = Flat cover without stroke limitation

7. Position monitoring

N = not available (standard)
G = closed position
O = open position
B = open and closed position

8. Sealing material

N = Standard

9. Medium (material internal parts)

E = Emulsion/water/glycol/oil
S = Aggressive (e.g. containing salt)

10. Environmental conditions

N = Standard
S = Aggressive (e.g. containing salt)

11. Pressure level

25 = 0....315 bar

12. Series designation

(is assigned internally)

13. Optional special version

no input = no special version

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
F	I	T	T	E	D		S	E	A	T		V	A	L	V	E				

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3.9 KSV : Ball seat valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3	/	2	K	S	V	-	0	6	P	-	2	5	V	T	N	N	N	-	E	*	*	*	*	*	*	-	*	*	
1							2		3		4		5		6	7	8		9		X							Y		

1. Designation
3/2 KSV = 3/2 dir. contr. ball seat valve
2/2 KSV = 2/2 dir. contr. ball seat valve

2. Nominal size
02 = Ng 2 06 = NG 6
03 = NG 3 10 = NG 10

3. Basic position (non-actuated)
P = Pos. (if non-act. P → A is closed)
N = Neg. (if non-act. P → A is open)

4. Operating pressure (pressure level) see table 3.1
20 = 100 bar
24 = 250 bar
25 = 320 bar
26 = 400 bar
27 = 500 bar
28 = 630 bar

5. Seals
NB = NBR
VT = Viton
PU = Polyurethane

6. Version
N = standard version 320 bar (HFA,air,HFC,HFD etc.)
D = standard version 320 bar with firedamp protection / ex-proofing or standard version for higher working pressures
S = Sea water inside and outside, only on the outside 210 bar
W= Water / tap water / glacier water 320 bar
V = fully desalinated / demineralized / chemically pure / sea water only on the inside 320 bar
G = neutral gases 100 bar
A = aggressive gases (e.g. acid gas)

7. Position monitoring
N = not available (standard)
G = prepared for closed position
O = prepared for open position
B = prepared for both positions

8. Manual operation
N = Standard (with manual operation and locking)
H = with manual operation without locking
S = lockable
O = without manual operation

9. Actuation
E = E-magnet
RO = roller
BL = no actuation, only with shutters
Z = cylinders

x: Determining the actuation
Cylinder

22	23	24	25
M	3	2	0
11	12		

E-magnet

22	23	24	25	26	27
D	0	2	4	T	U
11	12			13	

11. Material
M = Brass
A = Aluminium

11. Current type
A = Alternating current
D = Direct current

12. Pressure range
64 = 2.5 - 64 bar
320 = 25 - 320 bar

12. Actuation magnet
012 = 12Volt
012 = 12Volt
024 = 24Volt
036 = 36Volt
042 = 42Volt
048 = 48Volt
060 = 60Volt
010 = 110 Volt
120 = 120 Volt
220 = 220 Volt
500 = 500 Volt

13. Add. for actuation
D31 = DE3D1
D32 = DE3D2
E31 = DE3E1
E32 = DE3E2
E43 = DE4/3
iE5 = iE5

Y. Special version
SO = Special version
Dief = 6 mm stroke, MS cons.
Raaij = MS console

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
F	I	T	T	E	D		S	E	A	T		V	A	L	V	E				

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3.10 PSC / PSS : Proportional seat valve cartridge version

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	/	2	P	S	C	-	0	2	5	-	0	6	-	1	N	D	1	I	N	E	N	-	2	5	-	1	0	*	*
1							2				3			4	5	6		7	8	9	10		11			12		13	

1. Designation

PSC = 2/2 dir. contr. proportional fitted seat valve with DIN cartridge
PSS = 2/2 dir. contr. proportional fitted seat valve with Tiefenbach cartridge

2. Nominal size

NG	Standard plt-ctrl	No. plt-ctrl
010		
016		
020		
025	03	1
032	03	1
040		
050		
065		
080		
100		

(The third column states the number of pilot-control valve pairs)

3. Pilot control

Standard see table at 2.
00 = without pilot control
03 = NG 3
06 = NG 6

4. Number of pilot control units (pairs)

0 = without pilot control
1 = one pair of pilot-control valves
2 = two pairs of pilot-control valves
3 = three pairs of pilot-control valves

5. Additional function de-energized open/closed

N = Standard
O = De-energized open
G = De-energized closed

6. Piston rod version

D1 = Throttle piston

7. Transducer

I = 4 - 20 mA
U = 0 - 10 V

8. Sealing material

N = Standard

9. Medium (material internal parts)

E = mulsion/water/glycol/oil
S = Aggressive (e.g. containing salt)

10. Environmental conditions

N = Standard
S = Aggressive (e.g. containing salt)

11. Pressure level

25 = 0....315 bar

12. Series designation

(is internally assigned)
Series 10 - 19 are internal modifications

13. Optional special version

(shown in plain text)

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
P	O	P	-	S	E	A	T	-	C	A	R	T	R	I	D	G	E			

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3.11 PSV : Proportional fitted seat valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	/	2	P	S	V	-	0	2	5	-	0	6	-	1	N	D	1	I	N	E	N	-	2	5	-	1	0	*	*
1							2				3			4	5	6		7	8	9	10		11			12		13	

1. Designation

PSV = 2/2 dir. ctrl. proportional fitted seat valve with Tiefenbach cartridge

2. Nominal size

NG	Standard plt-ctrl	No. plt-ctrl
016	03	1
025	03	1
032	06	1
040	06	1
050	06	1
065	06	1
080	06	2
100	06	23

(The third column states the number of pilot-control valve pairs)

3. Pilot control

Standard see table at 2.
00 = without pilot control
03 = NG 3
06 = NG 6

4. Number of pilot control units (pairs)

0 = without pilot control
1 = one pair of pilot-control valves
2 = two pairs of pilot-control valves
3 = three pairs of pilot-control valves

5. Additional function de-energized open/closed

N = Standard
O = De-energized open
G = De-energized closed

6. Piston rod version

D1 = Cone pinion

7. Transducer version

I = 4 - 20 mA
U = 0 - 10 V

8. Sealing material

N = Standard

9. Medium (material internal parts)

E = Emulsion/water/glycol/oil
S = Aggressive (e.g. containing salt)

10. Environmental conditions

N = Standard
S = Aggressive (e.g. containing salt)

11. Pressure level

25 = 0....315 bar

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
P	R	O	P	-	F	I	T	T	E	D		S	E	A	T		V	A	L	.

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3.12 RV : Check valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
R	V	-	0	3	2	-	2	5	P	N	N	N	-	*	*														
1			2				3		4	5	6	7		8															

1.Designation

RV = Check valve

2. Nominal size

003 = NG 3
004 = NG 4
006 = NG 6
010 = NG 10
012 = NG 12
016 = NG 16
025 = NG 25
032 = NG 32
040 = NG 40
050 = NG 50
065 = NG 65
080 = NG 80
100 = NG 100
125 = NG 125

3. Operating pressure (pressure level)

25 = 320 bar
26 = 400 bar

4. Design

C = Cartridge (DIN)
P = Plate mounting
S = Plug-in type mounting
F = Flange connection

5. Sealing material

N=NBR

6. Environment

N = Standard
A = Aggressive (e.g. containing salt)

7. Medium (material internal parts)

E = Emulsion / water / glycol / oil
S = Aggressive (e.g. containing salt)

8. Setting range (pre-pressure of the valve)

00 = Standard
01 = 1 bar
03 = 2 bar
07 = 5 bar
99 = Special value
Special values shown in plain text

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
C	H	E	C	K		V	A	L	V	E										

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3.13 SBS : Lower/brake - shut-off-valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
S	B	S	-	0	3	2	-	2	5	-	P	G	N	N	N														
1				2				3			4	5	6	7	8														

1. Designation

SBV = Lower/brake shut-off-valve

2. Nominal size

016 = NG
025 = NG
032 = NG
040 = NG
050 = NG
065 = NG
150 = NG

3. Operating pressure (pressure level)

18 = 63 bar
25 = 320 bar

4. Design

P = Plate mounting
G = Thread connection

5. Function monitoring

G = Closed position
O = Open position
B = Both positions
N = No function monitoring

6. Sealing material

N = NBR

7. Environment

N = Standard
A = Aggressive (e.g. containing salt)

8. Medium (material internal parts)

E = Emulsion / water / glycol / oil
S = Aggressive (e.g. containing salt)

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
C	H	E	C	K		V	A	L	V	E										

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3.14 WV : Shuttle valve

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
W	V	-	0	1	2	-	2	5	-	P	F	V	T	K	N	E													
1			2				3			4	5	6		7	8	9													

1.Designation

WV = Shuttle valve

2. Nominal size

002= NG 2
003= NG 3
006= NG 6
010= NG 10
016= NG 16

3. Operating pressure (pressure level)

20 = 100 bar
22 = 160 bar
25 = 320 bar
26 = 400 bar
27 = 500 bar
28 = 630 bar

4. Design

P = Plate mounting
S = Plug-in type valve

5. Version

F = spring loaded
O = without springs

6. Sealing material

NB = Perbunan
VT = Viton

7. Ball material

K = Ceramics
S = Steel

8. Environment

N = Standard
A = Aggressive (e.g. containing salt)

9. Version

F = spring loaded
O = without springs

Auxiliary designation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
S	H	U	T	T	L	E		V	A	L	V	E								