

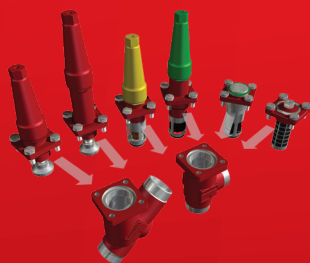
SVL Flexline™ code number selection guide

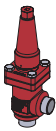
One platform Multiple options

SVL Flexline™ - the new range of line components for Industrial Refrigeration is based on the modular platform concept from the ICF and ICV valves. Flexibility is the key word and based on a common housing (angle- or straightway) the inserts in SVL platform offer five different functions. These code number tables provide an easy-to-use tool to help you select and order the right valves and components.

One

specification for the entire platform.
Approved for -60°C to +150°C, up to 52 bar.





Complete valves

SVA-S Shut-off valve - PS 52 Bar, -60°C +150°C

With cap

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 6 | ¼ | 148B5001 | 148B5021 | | | | | 148B5011 | 148B5031 | | | | |
| 10 | ⅜ | 148B5101 | 148B5121 | | | | | 148B5111 | 148B5131 | | | | |
| 15 | ½ | 148B5201 | 148B5221 | 148B5223 | 148B5225 | | | 148B5211 | 148B5231 | 148B5233 | 148B5235 | | |
| 20 | ¾ | 148B5301 | 148B5321 | 148B5323 | 148B5325 | | | 148B5311 | 148B5331 | 148B5333 | 148B5335 | | |
| 25 | 1 | 148B5401 | 148B5421 | 148B5423 | 148B5425 | | | 148B5411 | 148B5431 | 148B5433 | 148B5435 | | |
| 32 | 1¼ | 148B5501 | 148B5521 | 148B5523 | 148B5525 | | | 148B5511 | 148B5531 | 148B5533 | 148B5535 | | |
| 40 | 1½ | 148B5601 | 148B5621 | 148B5623 | | | | 148B5611 | 148B5631 | 148B5633 | | | |
| 50 | 2 | 148B5701 | 148B5721 | 148B5723 | | | | 148B5711 | 148B5731 | 148B5733 | | | |
| 65 | 2½ | 148B5801 | 148B5821 | | | | | 148B5811 | 148B5831 | | | | |
| 80 | 3 | 148B5901 | 148B5921 | | | | | 148B5911 | 148B5931 | | | | |
| 100 | 4 | 148B6001 | 148B6021 | | | | | 148B6011 | 148B6031 | | | | |
| 125 | 5 | 148B6101 | 148B6121 | | | | | 148B6111 | 148B6131 | | | | |
| 150 | 6 | 148B6201 | 148B6221 | | | | 148B6436 | 148B6241 | 148B6211 | 148B6231 | | 148B6440 | 148B6251 |
| 200 | 8 | 148B6301 | 148B6321 | | | | 148B6437 | | 148B6311 | 148B6331 | | 148B6441 | |

With hand wheel

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 6 | ¼ | 148B5000 | 148B5020 | | | | | 148B5010 | 148B5030 | | | | |
| 10 | ⅜ | 148B5100 | 148B5120 | | | | | 148B5110 | 148B5130 | | | | |
| 15 | ½ | 148B5200 | 148B5220 | 148B5222 | 148B5224 | | | 148B5210 | 148B5230 | 148B5232 | 148B5234 | | |
| 20 | ¾ | 148B5300 | 148B5320 | 148B5322 | 148B5324 | | | 148B5310 | 148B5330 | 148B5332 | 148B5334 | | |
| 25 | 1 | 148B5400 | 148B5420 | 148B5422 | 148B5424 | | | 148B5410 | 148B5430 | 148B5432 | 148B5434 | | |
| 32 | 1¼ | 148B5500 | 148B5520 | 148B5522 | 148B5524 | | | 148B5510 | 148B5530 | 148B5532 | 148B5534 | | |
| 40 | 1½ | 148B5600 | 148B5620 | 148B5622 | | | | 148B5610 | 148B5630 | 148B5632 | | | |
| 50 | 2 | 148B5700 | 148B5720 | 148B5722 | | | | 148B5710 | 148B5730 | 148B5732 | | | |
| 65 | 2½ | 148B5800 | 148B5820 | | | | | 148B5810 | 148B5830 | | | | |
| 80 | 3 | 148B5900 | 148B5920 | | | | | 148B5910 | 148B5930 | | | | |
| 100 | 4 | 148B6000 | 148B6020 | | | | | 148B6010 | 148B6030 | | | | |
| 125 | 5 | 148B6100 | 148B6120 | | | | | 148B6110 | 148B6130 | | | | |
| 150 | 6 | 148B6200 | 148B6220 | | | | 148B6434 | 148B6240 | 148B6210 | 148B6230 | | 148B6438 | 148B6250 |
| 200 | 8 | 148B6300 | 148B6320 | | | | 148B6435 | | 148B6310 | 148B6330 | | 148B6439 | |

SVA-L Shut-off valve - PS 52 Bar, -60°C +150°C

With cap

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 15 | ½ | 148B5241 | 148B5261 | 148B5263 | 148B5265 | | | 148B5251 | 148B5271 | 148B5273 | 148B5275 | | |
| 20 | ¾ | 148B5341 | 148B5361 | 148B5363 | 148B5365 | | | 148B5351 | 148B5371 | 148B5373 | 148B5375 | | |
| 25 | 1 | 148B5441 | 148B5461 | 148B5463 | 148B5465 | | | 148B5451 | 148B5471 | 148B5473 | 148B5475 | | |
| 32 | 1¼ | 148B5541 | 148B5561 | 148B5563 | 148B5565 | | | 148B5551 | 148B5571 | 148B5573 | 148B5575 | | |
| 40 | 1½ | 148B5641 | 148B5661 | 148B5663 | | | | 148B5651 | 148B5671 | 148B5673 | | | |

With hand wheel

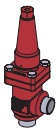
| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 15 | ½ | 148B5240 | 148B5260 | 148B5262 | 148B5264 | | | 148B5250 | 148B5270 | 148B5272 | 148B5274 | | |
| 20 | ¾ | 148B5340 | 148B5360 | 148B5362 | 148B5364 | | | 148B5350 | 148B5370 | 148B5372 | 148B5374 | | |
| 25 | 1 | 148B5440 | 148B5460 | 148B5462 | 148B5464 | | | 148B5450 | 148B5470 | 148B5472 | 148B5474 | | |
| 32 | 1¼ | 148B5540 | 148B5560 | 148B5562 | 148B5564 | | | 148B5550 | 148B5570 | 148B5572 | 148B5574 | | |
| 40 | 1½ | 148B5640 | 148B5660 | 148B5662 | | | | 148B5650 | 148B5670 | 148B5672 | | | |

For SVA-S/L valves in stainless steel; please download DKRCI.PD.K00.D from www.danfoss.com

Available kind of valve

- SVA-S:** The S means Standard bonnet length (sizes from DN50 to DN200 are insulation friendly)
- SVA-L:** The L means Long bonnet length (insulation friendly)

¹⁾ For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A



Complete valves

SVA-DL Shut-off valve - PS up to 40 Bar, -60°C +150°C

With cap

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|------------------------|------------------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 250 | 12 | 148B3760 ²⁾ | 148B3762 ²⁾ | | | | | | | | | | |
| 300 | 12 | 148B3770 ²⁾ | 148B3772 ²⁾ | | | | | | | | | | |

With hand wheel

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|------------------------|------------------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 250 | 12 | 148B3761 ²⁾ | 148B3763 ²⁾ | | | | | | | | | | |
| 300 | 12 | 148B3771 ²⁾ | 148B3773 ²⁾ | | | | | | | | | | |

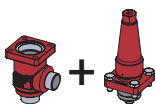
SVA-DH Shut-off valve - PS up to 40 Bar, -60°C +150°C

With cap

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|------------------------|------------------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 250 | 12 | 148B3764 ²⁾ | 148B3766 ²⁾ | | | | | | | | | | |
| 300 | 12 | 148B3774 ²⁾ | 148B3776 ²⁾ | | | | | | | | | | |

With hand wheel

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|------------------------|------------------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 250 | 12 | 148B3765 ²⁾ | 148B3767 ²⁾ | | | | | | | | | | |
| 300 | 12 | 148B3775 ²⁾ | 148B3777 ²⁾ | | | | | | | | | | |



Parts program

SVA-S Shut-off valve - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | | Angle housing | | | | | | Straight housing | | | | | | Insert | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|------------------|----------------|-------------|--------------------|--------------------------------|----------------|----------|------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | Cap | Hand wheel |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | | |
| 6 | ¼ | 148B5002 | 148B5004 | | | | | 148B5003 | 148B5005 | | | | | | |
| 10 | ⅜ | 148B5122 | 148B5124 | | | | 148B5134 | 148B5123 | 148B5125 | | | | 148B5135 | 148B5013 | 148B5014 |
| 15 | ½ | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5276 | 148B5277 |
| 20 | ¾ | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | | |
| 25 | 1 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | | |
| 32 | 1¼ | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | 148B5476 | 148B5477 |
| 40 | 1½ | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | | |
| 50 | 2 | 148B5741 | 148B5743 | 148B5745 | | 148B6419 | 148B5759 | 148B5742 | 148B5744 | 148B5746 | | 148B6429 | 148B5760 | 148B5728 | 148B5729 |
| 65 | 2½ | 148B5816 | 148B5818 | | | 148B6420 | 148B5816 | 148B5817 | 148B5819 | | | 148B6430 | 148B5817 | 148B5822 | 148B5823 |
| 80 | 3 | 148B5912 | 148B5914 | | | 148B6421 | 148B5912 | 148B5913 | 148B5915 | | | 148B6431 | 148B5913 | 148B5916 | 148B5917 |
| 100 | 4 | 148B6014 | 148B6016 | | | 148B6422 | 148B6033 | 148B6015 | 148B6017 | | | 148B6432 | 148B6034 | 148B6012 | 148B6018 |
| 125 | 5 | 148B6112 | 148B6114 | | | 148B6423 | 148B6133 | 148B6113 | 148B6115 | | | 148B6433 | 148B6134 | 148B6116 | 148B6117 |
| 150 | 6 | | | | | | | | | | | | | | |
| 200 | 8 | | | | | | | | | | | | | | |

For valves of these sizes; please order complete valves

SVA-L Shut-off valve - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | | Angle housing | | | | | | Straight housing | | | | | | Insert | |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|------------------|----------------|-------------|--------------------|--------------------------------|----------------|----------|------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | Cap | Hand wheel |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | | |
| 15 | ½ | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5278 | 148B5279 |
| 20 | ¾ | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | | |
| 25 | 1 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | | |
| 32 | 1¼ | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | 148B5478 | 148B5479 |
| 40 | 1½ | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | | |

¹⁾ For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A
²⁾ PS up to 40 bar. For exact temperature / pressure correlation, please download DKRCI.PD.KG0.5 from www.danfoss.com



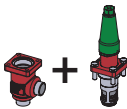
Complete Valves

SCA-X Stop & check valve - PS 52 Bar, -60°C +150°C

With cap only

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------------------|-------------------------|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------|-------------------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 15 | ½ | 148B5208 | 148B5209 | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table | See parts program table |
| 20 | ¾ | 148B5308 | 148B5309 | | | | | | | | | | |
| 25 | 1 | 148B5408 | 148B5409 | | | | | | | | | | |
| 32 | 1¼ | 148B5508 | 148B5509 | 148B5704 | | | | See parts program table | See parts program table | | | See parts program table | See parts program table |
| 40 | 1½ | 148B5608 | 148B5609 | | | | | | | | | | |
| 50 | 2 | 148B5702 | 148B5703 | | | | | | | | | | |
| 65 | 2½ | 148B5803 | 148B5802 | | | | | | | | | | |
| 80 | 3 | 148B5902 | 148B5903 | | | | | | | | | | |
| 100 | 4 | 148B6002 | 148B6004 | | | | | | | | | | |
| 125 | 5 | 148B6102 | 148B6103 | | | | | | | | | | |

For SCA-X valves in stainless steel; please download DKRCI.PD.K00.D from www.danfoss.com



Parts program

SCA-X Stop & check valve - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | | Angle housing | | | | | | Straight housing | | | | | | Insert |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|------------------|----------------|-------------|--------------------|--------------------------------|----------------|----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | Cap |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | |
| 15 | ½ | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5282 |
| 20 | ¾ | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | |
| 25 | 1 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | 148B5482 |
| 32 | 1¼ | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | |
| 40 | 1½ | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | 148B5735 |
| 50 | 2 | 148B5741 | 148B5743 | 148B5745 | | 148B6419 | 148B5759 | 148B5742 | 148B5744 | 148B5746 | | 148B6429 | 148B5760 | |
| 65 | 2½ | 148B5816 | 148B5818 | | | 148B6420 | 148B5816 | 148B5817 | 148B5819 | | | 148B6430 | 148B5817 | 148B5825 |
| 80 | 3 | 148B5912 | 148B5914 | | | 148B6421 | 148B5912 | 148B5913 | 148B5915 | | | 148B6431 | 148B5913 | 148B5918 |
| 100 | 4 | 148B6014 | 148B6016 | | | 148B6422 | 148B6033 | 148B6015 | 148B6017 | | | 148B6432 | 148B6034 | 148B6019 |
| 125 | 5 | 148B6112 | 148B6114 | | | 148B6423 | 148B6133 | 148B6113 | 148B6115 | | | 148B6433 | 148B6134 | 148B6118 |

¹⁾ For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A



Complete Valves

CHV-X Check valve - PS 52 Bar, -60°C +150°C

| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|-------|---------------|----------------|-------------------------|-------------------------|--------------------------------|-------------------------|---------------|----------------|-------------|-------------------------|--------------------------------|-------------------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 15 | ½ | 148B5236 | 148B5237 | See parts program table | See parts program table | See parts program table | See parts program table | 148B6581 | 148B6582 | 148B6601 | See parts program table | See parts program table | See parts program table |
| 20 | ¾ | 148B5336 | 148B5337 | | | | | 148B6583 | 148B6584 | 148B6602 | | | |
| 25 | 1 | 148B5436 | 148B5437 | 148B5539 | 148B5740 | | | 148B6585 | 148B6586 | 148B6603 | | | |
| 32 | 1¼ | 148B5536 | 148B5537 | | | | | 148B6587 | 148B6588 | 148B6604 | | | |
| 40 | 1½ | 148B5636 | 148B5637 | | | | | 148B6589 | 148B6590 | 148B6605 | | | |
| 50 | 2 | 148B5736 | 148B5737 | | | | | 148B6591 | 148B6592 | 148B6606 | | | |
| 65 | 2½ | 148B5838 | 148B5837 | | | | | 148B6593 | 148B6594 | | | | |
| 80 | 3 | 148B5936 | 148B5937 | | | | | 148B6595 | 148B6596 | | | | |
| 100 | 4 | 148B6036 | 148B6037 | | | | | 148B6597 | 148B6598 | | | | |
| 125 | 5 | 148B6136 | 148B6137 | | | | | 148B6599 | 148B6600 | | | | |

For CHV-X valves in stainless steel; please download DKRCI.PD.K00.D from www.danfoss.com



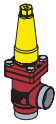
Parts Program

CHV-X Check valve - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | | Angle housing | | | | | | Straight housing | | | | | | Insert |
|-----------------|-------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|------------------|----------------|-------------|--------------------|--------------------------------|----------------|----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | |
| [mm] | [in.] | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | |
| 15 | ½ | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5283 |
| 20 | ¾ | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | |
| 25 | 1 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | 148B5483 |
| 32 | 1¼ | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | |
| 40 | 1½ | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | |
| 50 | 2 | 148B5741 | 148B5743 | 148B5745 | | 148B6419 | 148B5759 | 148B5742 | 148B5744 | 148B5746 | | 148B6429 | 148B5760 | 148B5747 |
| 65 | 2½ | 148B5816 | 148B5818 | | | 148B6420 | 148B5816 | 148B5817 | 148B5819 | | | 148B6430 | 148B5817 | 148B5827 |
| 80 | 3 | 148B5912 | 148B5914 | | | 148B6421 | 148B5912 | 148B5913 | 148B5915 | | | 148B6431 | 148B5913 | 148B5919 |
| 100 | 4 | 148B6014 | 148B6016 | | | 148B6422 | 148B6033 | 148B6015 | 148B6017 | | | 148B6432 | 148B6034 | 148B6022 |
| 125 | 5 | 148B6112 | 148B6114 | | | 148B6423 | 148B6133 | 148B6113 | 148B6115 | | | 148B6433 | 148B6134 | 148B6119 |

¹⁾ For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A



Complete Valves

REG-SA/SB Regulating valve - PS 52 Bar, -60°C +150°C

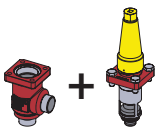
REG-SA with cap only

| Connection size | K _v value | Angle | | | | | | Straight | | | | | | | | | | |
|-----------------|----------------------|---------------|----------------|-------------|--------------------|---------------------|-------------------------|-------------------------|----------------|-------------|--------------------|---------------------|----------------|--|--|--|--|--|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | | | | | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | | | | | |
| 10 | 3/8 | 0.15 | 148B5102 | 148B5106 | | | | | | | | | | | | | | |
| 15 | 1/2 | 1.5 | 148B5226 | 148B5202 | 148B5204 | 148B5206 | See parts program table | See parts program table | 148B5104 | 148B5116 | | | | | | | | |
| 20 | 3/4 | 1.5 | 148B5326 | 148B5302 | 148B5304 | 148B5306 | | | 148B5228 | 148B5212 | 148B5214 | 148B5216 | | | | | | |
| 25 | 1 | 7 | 148B5426 | 148B5402 | 148B5404 | 148B5406 | | | 148B5328 | 148B5312 | 148B5314 | 148B5316 | | | | | | |
| 32 | 1 1/4 | 7 | 148B5527 | 148B5502 | 148B5504 | 148B5506 | | | 148B5428 | 148B5412 | 148B5414 | 148B5416 | | | | | | |
| 40 | 1 1/2 | 7 | 148B5627 | 148B5602 | 148B5604 | | | | 148B5528 | 148B5512 | 148B5514 | 148B5516 | | | | | | |
| | | | | | | | | | | | | | | | | | | |

REG-SB with cap only

| Connection size | K _v value | Angle | | | | | | Straight | | | | | | | | | | |
|-----------------|----------------------|---------------|----------------|-------------|--------------------|---------------------|-------------------------|-------------------------|----------------|-------------|--------------------|---------------------|----------------|--|--|--|--|--|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | | | | | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | | | | | |
| 10 | 3/8 | 0.6 | 148B5103 | 148B5107 | | | | | | | | | | | | | | |
| 15 | 1/2 | 5 | 148B5227 | 148B5203 | 148B5205 | 148B5207 | See parts program table | See parts program table | 148B5105 | 148B5117 | | | | | | | | |
| 20 | 3/4 | 5 | 148B5327 | 148B5303 | 148B5305 | 148B5307 | | | 148B5229 | 148B5213 | 148B5215 | 148B5217 | | | | | | |
| 25 | 1 | 20 | 148B5427 | 148B5403 | 148B5405 | 148B5407 | | | 148B5329 | 148B5313 | 148B5315 | 148B5317 | | | | | | |
| 32 | 1 1/4 | 20 | 148B5526 | 148B5503 | 148B5505 | 148B5507 | | | 148B5429 | 148B5413 | 148B5415 | 148B5417 | | | | | | |
| 40 | 1 1/2 | 20 | 148B5626 | 148B5603 | 148B5605 | | | | 148B5529 | 148B5513 | 148B5515 | 148B5517 | | | | | | |
| 50 | 2 | 45 | 148B5726 | 148B5706 | 148B5727 | | | | | | | | | | | | | |
| 65 | 2 1/2 | 80 | 148B5826 | 148B5806 | | | | | | | | | | | | | | |

For REG-SA/SB valves in stainless steel; please download DKRCI.PD.K00.D from www.danfoss.com



Parts Program

REG-SA / REG-LA Regulating valve - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | K _v value | Angle housing | | | | | | Straight housing | | | | | | Insert | | |
|-----------------|----------------------|---------------|----------------|-------------|--------------------|---------------------|----------------|------------------|----------------|-------------|--------------------|---------------------|----------------|----------|----------|----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | Cap | Cap | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | REG-SA | REG-LA | |
| 10 | 3/8 | 0.15 | 148B5122 | 148B5124 | | | | | | | | | | | | |
| 15 | 1/2 | 1.5 | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5280 | 148B6401 |
| 20 | 3/4 | 1.5 | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | | |
| 25 | 1 | 7 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | | |
| 32 | 1 1/4 | 7 | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | 148B5480 | 148B6403 |
| 40 | 1 1/2 | 7 | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | | |

REG-SB / REG-LB Regulating valve - PS 52 Bar, -60°C +150°C

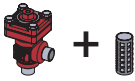
Parts program

| Connection size | K _v value | Angle housing | | | | | | Straight housing | | | | | | Insert | | |
|-----------------|----------------------|---------------|----------------|-------------|--------------------|---------------------|----------------|------------------|----------------|-------------|--------------------|---------------------|----------------|----------|----------|----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ') butt weld | GOST Butt weld | Cap | Cap | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | REG-SB | REG-LB | |
| 10 | 3/8 | 0.6 | 148B5122 | 148B5124 | | | | | | | | | | | | |
| 15 | 1/2 | 5 | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5281 | 148B6402 |
| 20 | 3/4 | 5 | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | | |
| 25 | 1 | 20 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | | |
| 32 | 1 1/4 | 20 | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | 148B5481 | 148B6404 |
| 40 | 1 1/2 | 20 | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | | |
| 50 | 2 | 45 | 148B5741 | 148B5743 | 148B5745 | | 148B6419 | 148B5759 | 148B5742 | 148B5744 | 148B5746 | | 148B6429 | 148B5760 | 148B5734 | |
| 65 | 2 1/2 | 80 | 148B5816 | 148B5818 | | | 148B6420 | 148B5816 | 148B5817 | 148B5819 | | | 148B6430 | 148B5817 | 148B5824 | |

Available kind of valve

- REG-SA:** The S means Standard bonnet length - The A means A Cone (designed for expansion valves)
- REG-SB:** The S means Standard bonnet length - The B means B Cone (designed for regulating purposes e.g. liquid lines)
- REG-LA:** The L means Long bonnet length (insulation friendly) - The A means A Cone (designed for expansion valves)
- REG-LB:** The L means Long bonnet length (insulation friendly) - The B means B Cone (designed for regulating purposes e.g. liquid lines)

) For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A



Complete Valves



FIA Strainer - PS 52 Bar, -60°C +150°C

FIA without strainer insert

| Connection size | | Angle | | | | | | Straight | | | | | | | |
|-----------------|----|---------------|----------------|-------------|--------------------|--------------------------------|-------------------------|---------------|----------------|-------------|--------------------|--------------------------------|-------------------------|----------|----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | | |
| 15 | ½ | 148B5242 | 148B5244 | 148B5245 | 148B5246 | See parts program table | See parts program table | 148B5243 | 148B5247 | 148B5248 | 148B5249 | See parts program table | See parts program table | | |
| 20 | ¾ | 148B5342 | 148B5344 | 148B5345 | 148B5346 | | | 148B5343 | 148B5347 | 148B5348 | 148B5349 | | | | |
| 25 | 1 | 148B5442 | 148B5444 | 148B5445 | 148B5446 | | | 148B5443 | 148B5447 | 148B5448 | 148B5449 | | | | |
| 32 | 1½ | 148B5543 | 148B5545 | 148B5546 | 148B5547 | | | 148B5544 | 148B5552 | 148B5548 | 148B5549 | | | | |
| 40 | 1½ | 148B5624 | 148B5642 | 148B5643 | | | | 148B5625 | 148B5644 | 148B5645 | | | | | |
| 50 | 2 | 148B5712 | 148B5714 | 148B5715 | | | | 148B5713 | 148B5716 | 148B5717 | | | | | |
| 65 | 2½ | 148B5812 | 148B5814 | | | | | 148B5813 | 148B5815 | | | | | | |
| 80 | 3 | 148B5905 | 148B5907 | | | | | 148B5906 | 148B5908 | | | | | | |
| 100 | 4 | 148B6006 | 148B6008 | | | | | 148B6007 | 148B6009 | | | | | | |
| 125 | 5 | 148B6105 | 148B6107 | | | | | 148B6106 | 148B6108 | | | | | | |
| 150 | 6 | 148B6202 | 148B6204 | | | | | 148B6442 | 148B6206 | 148B6203 | 148B6205 | | | 148B6444 | 148B6207 |
| 200 | 8 | 148B6302 | 148B6304 | | | | | 148B6443 | | 148B6303 | 148B6305 | | | 148B6445 | |

Please note: You have to order FIA strainer without strainer insert + FIA strainer insert + accessories

For FIA in stainless steel; please download DKRCI.PD.K00.D from www.danfoss.com

FIA 250-300 Strainer - PS up to 40 Bar, -60°C +150°C

FIA 250-300 without strainer insert

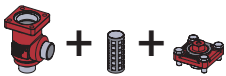
| Connection size | | Angle | | | | | | Straight | | | | | |
|-----------------|----|------------------------|------------------------|-------------|--------------------|--------------------------------|----------------|---------------|----------------|-------------|--------------------|--------------------------------|----------------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G |
| 250 | 10 | 148H3171 ²⁾ | 148H3173 ²⁾ | | | | | | | | | | |
| 300 | 12 | 148H3172 ²⁾ | 148H3174 ²⁾ | | | | | | | | | | |

FIA strainer insert

| For FIA size | | 100µ | 150µ | 250µ | 500µ | Pleated 150µ | Pleated 250µ | Pleated 500µ |
|--------------|-------|----------|----------|----------|----------|--------------|--------------|--------------|
| [mm] | [in.] | 150 mesh | 100 mesh | 72 mesh | 38 mesh | 100 mesh | 72 mesh | 38 mesh |
| 15 | ½ | | | | | | | |
| 20 | ¾ | 148H3122 | 148H3124 | 148H3126 | 148H3128 | 148H3303 | 148H3363 | |
| 25 | 1 | | | | | | | |
| 32 | 1½ | 148H3123 | 148H3125 | 148H3127 | 148H3129 | 148H3304 | 148H3269 | |
| 40 | 1½ | | | | | | | |
| 50 | 2 | 148H3157 | 148H3130 | 148H3138 | 148H3144 | 148H3179 | 148H3184 | 148H3189 |
| 65 | 2½ | | 148H3131 | 148H3139 | 148H3145 | 148H3180 | 148H3185 | 148H3190 |
| 80 | 3 | | 148H3119 | 148H3120 | 148H3121 | 148H3181 | 148H3186 | 148H3191 |
| 100 | 4 | | 148H3132 | 148H3140 | 148H3146 | 148H3182 | 148H3187 | 148H3192 |
| 125 | 5 | | 148H3133 | 148H3141 | 148H3147 | 148H3183 | 148H3188 | 148H3193 |
| 150 | 6 | | 148H3134 | 148H3142 | 148H3148 | 148H3226 | | |
| 200 | 8 | | 148H3135 | 148H3143 | 148H3149 | 148H3297 | | |
| 250 | 10 | | 148H3136 | 148H3175 | | | | |
| 300 | 12 | | 148H3137 | 148H3176 | | | | |

Accessories

| For FIA size | | Magnet insert | Filter bag | Purge valve complete | Blind nut with gasket | Filter element ³⁾ |
|--------------|-------|---------------|------------|----------------------|-----------------------|------------------------------|
| [mm] | [in.] | | | | | µ150 + µ50 |
| 15 | ½ | | | | | 148H3301 |
| 20 | ¾ | | | | | |
| 25 | 1 | | | | | 148H3302 |
| 32 | 1½ | | | | | |
| 40 | 1½ | | | | | |
| 50 | 2 | | 148H3150 | | | |
| 65 | 2½ | | 148H3151 | | | |
| 80 | 3 | 148H3447 | 148H3152 | 148B3745 | 148H3450 | |
| 100 | 4 | | 148H3153 | | | |
| 125 | 5 | | 148H3154 | | | |
| 150 | 6 | 148H3448 | 148H3155 | | | |
| 200 | 8 | | 148H3156 | | | |



Parts Program

FIA Strainer (steel only) - PS 52 Bar, -60°C +150°C

Parts program

| Connection size | | Angle housing | | | | | | Straight housing | | | | | | Top cover |
|-----------------|----|---------------|----------------|-------------|--------------------|--------------------------------|----------------|------------------|----------------|-------------|--------------------|--------------------------------|----------------|-----------|
| | | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | DIN Butt weld | ANSI Butt weld | Socket weld | Female pipe thread | F-con. ¹⁾ butt weld | GOST Butt weld | |
| | | D | A | SOC | FTP | F | G | D | A | SOC | FTP | F | G | |
| 15 | ½ | 148B5252 | 148B5254 | 148B5256 | 148B5258 | 148B6414 | 148B5391 | 148B5253 | 148B5255 | 148B5257 | 148B5259 | 148B6424 | 148B5392 | 148B5284 |
| 20 | ¾ | 148B5352 | 148B5354 | 148B5356 | 148B5358 | 148B6415 | 148B5393 | 148B5353 | 148B5355 | 148B5357 | 148B5359 | 148B6425 | 148B5394 | |
| 25 | 1 | 148B5452 | 148B5454 | 148B5456 | 148B5458 | 148B6416 | 148B5498 | 148B5453 | 148B5455 | 148B5457 | 148B5459 | 148B6426 | 148B5499 | 148B5484 |
| 32 | 1½ | 148B5576 | 148B5578 | 148B5580 | 148B5582 | 148B6417 | 148B5593 | 148B5577 | 148B5579 | 148B5581 | 148B5583 | 148B6427 | 148B5594 | |
| 40 | 1½ | 148B5652 | 148B5654 | 148B5656 | | 148B6418 | 148B5681 | 148B5653 | 148B5655 | 148B5657 | | 148B6428 | 148B5682 | 148B5748 |
| 50 | 2 | 148B5741 | 148B5743 | 148B5745 | | 148B6419 | 148B5759 | 148B5742 | 148B5744 | 148B5746 | | 148B6429 | 148B5760 | |
| 65 | 2½ | 148B5816 | 148B5818 | | | 148B6420 | 148B5816 | 148B5817 | 148B5819 | | | 148B6430 | 148B5817 | 148B5832 |
| 80 | 3 | 148B5912 | 148B5914 | | | 148B6421 | 148B5912 | 148B5913 | 148B5915 | | | 148B6431 | 148B5913 | |
| 100 | 4 | 148B6014 | 148B6016 | | | 148B6422 | 148B6033 | 148B6015 | 148B6017 | | | 148B6432 | 148B6034 | 148B6024 |
| 125 | 5 | 148B6112 | 148B6114 | | | 148B6423 | 148B6133 | 148B6113 | 148B6115 | | | 148B6433 | 148B6134 | |

Please note: You have to order FIA strainer housing + FIA strainer insert + top cover + accessories

¹⁾ For some sizes and temperature ranges F-connection has a reduced pressure approval - please see the data sheet DKRCI.PD.F00.A

²⁾ For exact temperature / pressure correlation, please download DKRCI.PD.FN0.C from www.danfoss.com

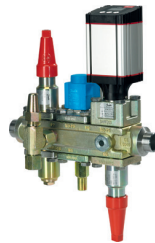
³⁾ With removable element µ50 for the first start up

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ICV Flexline™
– Control valve



ICF Flexline™
– Complete valve stations



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