

AKVA Pulse-width Modulation Expansion Valves

Type	Nom. TR (R717)	Connections (in.)		List Price (1) Less Coil	Strainer (2) Part No	Valve Only * Part No
		Inlet	Outlet			
AKVA10-1	1.1	1/2	3/4	\$485	Has a built-in strainer - an external strainer is not necessary.	068F3281
AKVA10-2	1.8	1/2	3/4	\$485		068F3282
AKVA10-3	2.8	1/2	3/4	\$485		068F3283
AKVA10-4	4.5	1/2	3/4	\$485		068F3284
AKVA10-5	7.1	1/2	3/4	\$485		068F3285
AKVA10-6	11.4	1/2	3/4	\$485		068F3286
AKVA10-7	17.9	1/2	3/4	\$485		068F3267
AKVA15-1	35	3/4 or 1; FPT, SW, BW 1-1/4; SW, BW		\$765	Please select an FIA strainer with 100 µm (150 mesh) insert. See strainers type FIA.	*
AKVA15-2	60			\$765		*
AKVA15-3	90			\$765		*
AKVA15-4	140			\$765		*
AKVA20-1	140	1¼	1¼	\$1,920		042H2101
AKVA20-2	240	1¼	1¼	\$1,920		042H2102
AKVA20-3	350	1¼	1¼	\$1,920		042H2103
AKVA20-4	600	1½	1½	\$1,920		042H2104
AKVA20-5	900	2	2	\$1,920		042H2105

(1) Price includes valve and flanges where applicable. Price does not include coil which must be ordered separately.

(2) A 100 µm strainer must be mounted in front of AKVA 15 and AKVA 20 valves. Price will depend on the selected FIA filter.

* Contact Danfoss for p/n.

OPTION 1 FOR AKVA 10, AKVA 15, AND AKVA 20 LIQUID LEVEL CONTROL

Type	Description	Part No.	List Price
EKE 347	Electronic Liquid Level Control. (1)	080G5000	\$968
Coil	24 V, 12 W, 60Hz standard coil with terminal box for use with AKVA valve	018F6815	\$50

OPTION 2 FOR AKVA 10, AKVA 15, AND AKVA 20 EVAPORATOR CONTROL

Type	Description	Part No.	List Price
EKC 315A	Evaporator Controller (superheat) (1)	084B7086	\$1,128
AKS 33	Pressure transducer with 1/4 MPT and DIN plug. Range 0-200PSIA and 4-20mA output. (2)	060G1711	\$315
MBT 5250	Temperature sensor, PT 1000 with 1/2 NPT well, 2 insertion length (2) (3)	084Z3031	\$165
Coil	24 V, 12 W, 60Hz standard coil with terminal box for use with AKVA valve	018F6815	\$50

(1) Requires 24 V A.C., 50/60 Hz, 60 VA power supply. Supplied by others.

(2) Other pressure ranges, temperature ranges, connection types and sensor mounting styles available. Please see pressure and temperature sensors section or consult Danfoss for assistance.

(3) Temperature Range -58 °F to +392 °F, DIN electrical connection

Features

- 1/2 in. to 2 in.
- -58 °F to 302 °F
- 1-900 TR capacity range for ammonia applications
- Pulse width modulating electronic expansion valve
- AKVA does not require manual adjustments for changes in capacity (10 to 100%)

