



Danfoss compact valve programme

-an optimised combination of high performance, compact design and economical solution

- High quality products
- Long life time
- Reduced power consumption
- Delivered as part program valve and coil separate

The Danfoss compact valve program consist of three valve types:

EV210A compact 2-way valves for oil, air and water for open and closed systems

- Valves for industrial applications such as control, dosage and draining.
- Also usable for rough vacuum.
- NO versions available in G 1/8.
- Less sensible to dirt.
- Orifices of stainless steel give high resistance against corrosion and cavitation.

EV310A compact 3-way valves for oil, air, and water for open and closed systems.

- Valves for pilot and drainage functions in industrial systems.
- NO version available in G 1/8 and G 1/4.
- Simplified design achieving easy service if needed.
- Orifices of stainless steel give high resistance against corrosion and cavitation

EV220A compact 2-way servo valves for oil, air, and water for open and closed systems.

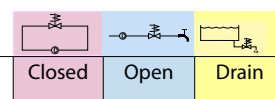
- Designed as water hammer damped versions.
- For pipe sizes from G 1/4 to G 2 "
- NO versions available from G 1/4 to G 1".
- Extended life time.
- Allows high flow even with low differential pressure.

Optimum water hammer damping:

Valves used on open pumped system can cause water hammer problems if they are not damped properly (i.e. close softly and slowly). Water hammer is a phenomenon that can damage pipe work and other components in any system as well as cause the occasional noisy bang as the valves close suddenly. In Danfoss valves, the late closing stage of the valve is controlled by using a carefully shaped diaphragm. Also, a special damping cone is attached to the diaphragm.

The combination of these special components reduces noise and water hammer and increase the lifetime of other components in the system

Wide coil range is available and for achieving IP 65 add on an electrical plug 042N0128.



Type.	Connection	Code Nr.	Diff. pressure	Body length	Kv. value	Closed	Open	Drain
-------	------------	----------	----------------	-------------	-----------	--------	------	-------

EV210A direct operated valves for oil, air, and water, normally closed,; Mediatemperature - 10 C to 100 C.

EV210A 1.5	G 1/8	032H8005	0-20	26	0.11	x	x	x
EV210A 3.0	G 1/4	032H8017	0-8	35	0.22	x	x	x

EV220A servo operated valves for oil, air, and water. Media temperature -10 C to 90 C.

EV220A 6	G 1/4	042U4003	0.2-12	51	1	-	x	-
EV220A 10	G 3/8	042U4013	0.2-12	51	1.6	-	x	-
EV220A 14	G 1/2	042U4024	0.2-12	58	4	-	x	-
EV220A 18	G 3/4	042U4032	0.2-12	90	6	-	x	-
EV220A 22	G 1"	042U4042	0.2-12	90	7	-	x	-
EV220A 32	G 1 1/4	042U4084	0.2-12	120	15	-	x	-
EV220A 40	G 1 1/2	042U4086	0.2-12	130	19	-	x	-
EV220A 50	2"	042U4088	0.2-12	162	32	-	x	-

EV310A direct operated valves for air, oil, and water. Media temperature - 10 C to 100 C.

EV310A 1.5	G 1/8	032H3287	0-12	26	0,07	x	x	x
EV310A 1.5	G 1/4	032H3297	0-12	35	0,07	x	x	x

As coils for this standard range we have chosen the AC version with 7 W consumption.

Code Nr.	VOLT	HZ	W	-	-	-	-	-
-	-	-	-	-	-	-	-	-
042N0821	230	50 / 60	7	-	-	-	-	-
042N 825	110	50 / 60	7	-	-	-	-	-
042N0823	24	50 / 60	7	-	-	-	-	-
042N0824	24	DC	10	-	-	-	-	-
-	-	-	-	-	-	-	-	-

Above shown program with brass bodies for Air Oil, and Water is our compact and economic range of solenoid valves. Special versions like valves with stainless steel bodies or for steam applications and other valve families are available on request. Among other valve families we can mention pneumatically - and temperature operated valves.

Please contact your supplier for further information and ordering