HYDRA CSX SERIES ELECTRIC TWIN DISC DUMP VALVE

An Environmentally Sound Solution

The Hydroplex electric dump valve is designed for very high open/close cycles in severe liquid applications with minimal maintenance. A unique SCADA accessible wear indicator will notify when maintenance is required. With the valve in place, simply exchange the cartridge in the field by removing six bolts. One person, one wrench.

The low torque design reduces demand on solar powered systems. The valve and actuation have ZERO emissions to atmosphere at rest and during operation.



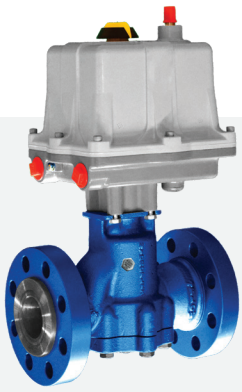
U.S. Patent No. 10,941,870 B1

APPLICATIONS

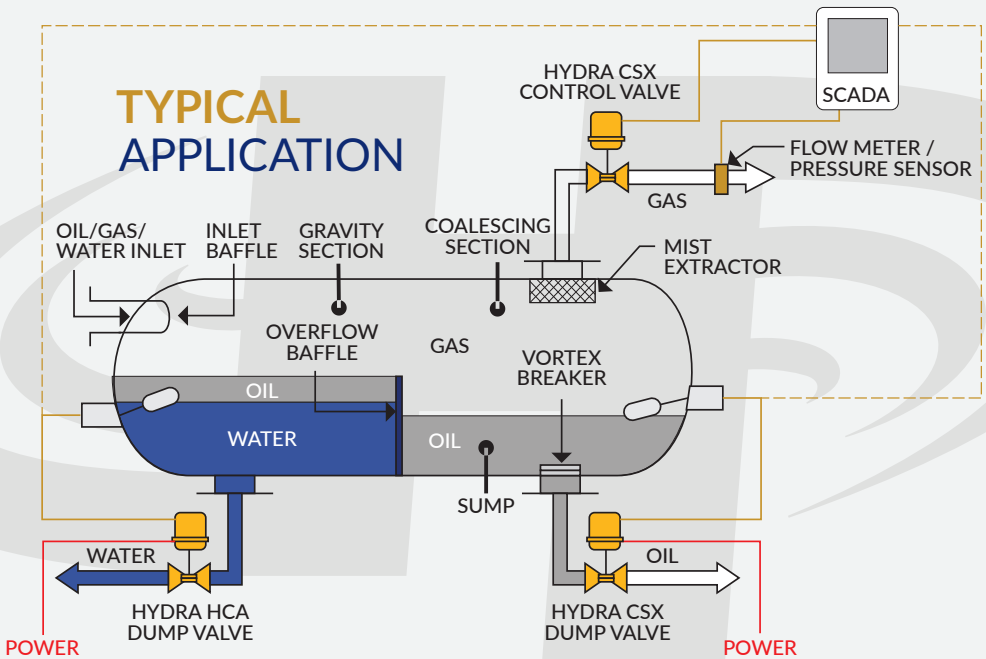
Discharge of liquid from:

- vessels
- separators
- treaters
- knockouts
- other similar liquid accumulators

QUAD "O" COMPLIANT
LOW MAINTENANCE
LOW POWER CONSUMPTION



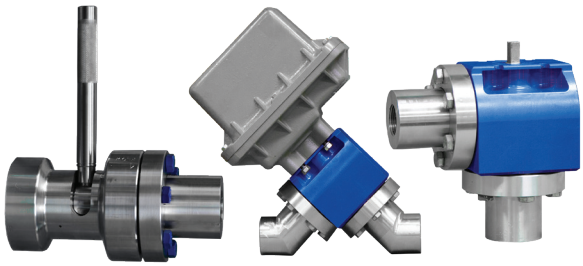
TYPICAL APPLICATION



HYDROPLEX

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Hydra Choke Series



HCI HCY HCA

TUNGSTEN CARBIDE TRIM OPTIONS

ORIFICES	CV	64TH IN. EQUIV. DIA.	NOTES
2 ea. - ⅛”	0.74	11.3	Low Flow
2 ea. - ⅜”	6.63	33.9	High Wear
2 ea. - ¾”	22.31	62.3	High Flow

Many trim sizes available for various conditions. Ranging from high flow for quick dumping or low flow for tighter control and many sizes in between. Also offered is a high wear option with a much longer wear life.

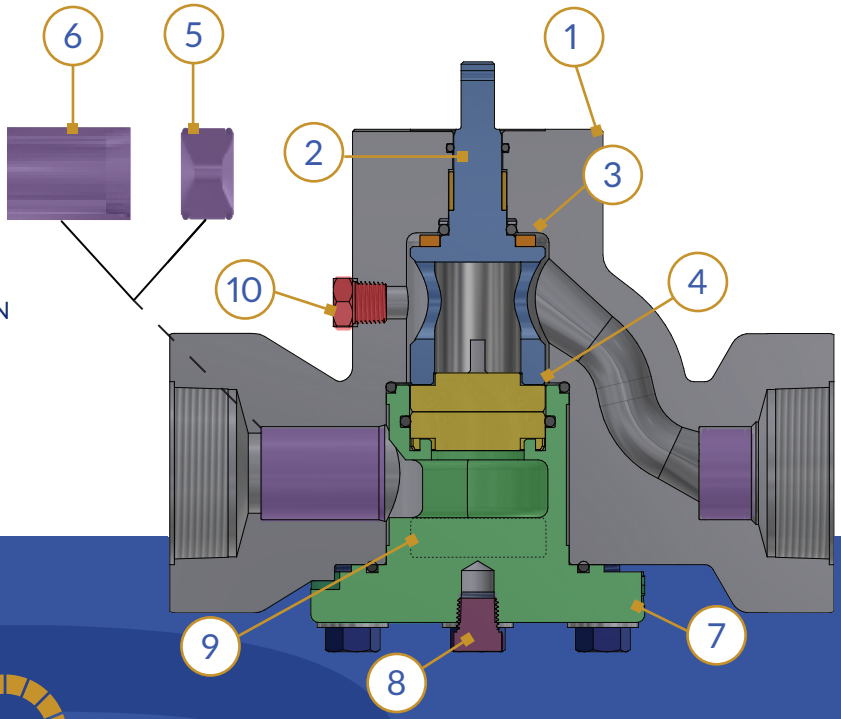
Hydroplex’s patented in-valve multistage pressure drops can be added in applications with high solid (sand) content. This engineered solution will reduce mechanical erosion and increase the lifespan of the valve. (See item 4 below.)

1. CARBON STEEL BODY
2. STEM
3. THRUST BEARING
4. TUNGSTEN CONTROL DISC
5. FIXED ORIFICE BEAN (optional)
6. WEAR SLEEVE (optional)
7. CARTRIDGE ASSEMBLY
8. SCADA ACCESSIBLE PORT FOR WEAR INDICATION
9. CARTRIDGE WEAR PAD
10. INJECTION/CHEMICAL PORT -¼”
11. DIRECT ACTUATOR MOUNTING (not shown)
12. FKM SEALS (other materials available)

CSX ASSEMBLY DIMENSIONS

SIZE	DIMENSIONS (IN.)	CONNECTION
1”	10.500	FNPT
2”	8.625	FNPT

**Consult factory for other sizes and arrangements*



ELECTRIC ACTUATION

- Universal Power (AC/DC)
- Optional Battery Backup

WORKING PRESSURES

1” FNPT 5000 psig
2” FNPT 5000 psig

TEMPERATURE RANGE

[-20° to 400° F]