Series 3800

High Pressure Modulating Pilot Control Valve

Now with Set Pressures to 6170 psig

Reduce product loss and fugitive emissions with the higher-pressure HPCM7 non-flowing modulating pilot control valve.

Available in standard model with set pressures from 15 to 2220 psig. The new model extends the set pressure range from 2221 to 6170 psig.

Valve opens in proportion to the overpressure to minimize emissions and product loss as well as to reduce noise. Additional benefits: set pressure is unaffected by constant or variable backpressure; direct interchangeability with snap-acting pilot control in the field for both cost and time savings.

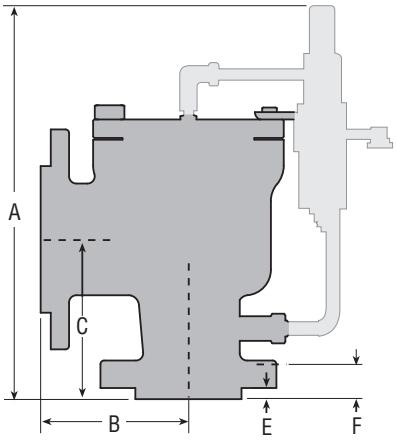
HPCM7 Modulating Pilot Control Features:

- Available on valves with 1500 & 2500 class inlet flanges
- Typical blowdown of 3-6%
- All stainless steel construction
- ASME NB Certified to Section VIII for air, gas, and vapor service
- Available with optional materials of construction including Monel, Hastelloy C and materials suitable for NACE sour gas service.
- Non-flowing control
- Service: air, gas & vapor

Ordering Information:

To specify the HPCM7 pilot control change the second digit of the three digit type number extension to “7”.

Example: **38DC15-170**



Dimensions:

- Use of HPCM7 Control adds 6½" to the overall height of the standard 3800 series with Modulating Control.
- Control is used on the 3800 series main valves that meet API Standard 526 for center to face dimensions as well as the full bore designs.
- For approximate weight add 20 pounds to the standard 3800 series as listed in Catalog 0810C

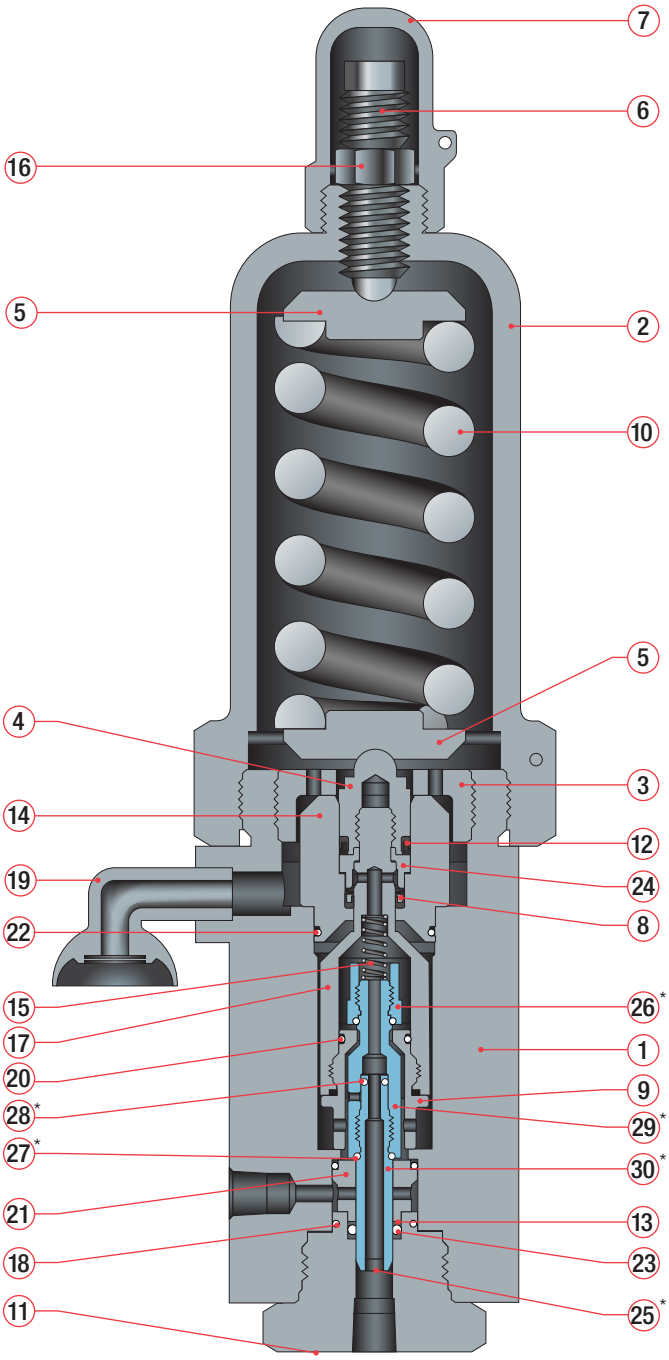
HPCM7 is available with all accessories available on all Farris modulating controls in air, gas & vapor service. See full catalog 0810C. Use of dual pilot controls is on application.

3800 Series Bill of Materials – Modulating Control

Bill of Materials – HPCM7

Item	Name	Standard	NACE
1	Body	316 St. St.	316 St. St.
2	Bonnet	316 St. St.	316 St. St.
3	Piston Housing Retainer	316 St. St.	316 St. St.
4	Piston Button	316 St. St.	316 St. St.
5	Spring Button	316 St. St.	316 St. St.
6	Spring Adjusting Screw	316 St. St.	316 St. St.
7	Cap	316 St. St.	316 St. St.
8	Housing Seal	PTFE / HC[1]	PTFE / HC[1]
9	Inlet Seat	316 St. St.	316 St. St.
10	Spring	St. St.	St. St.
11	Inlet Housing	316 St. St.	316 St. St.
12	Piston Seal	PTFE / HC[1]	PTFE / HC[1]
13	Back-up Ring Spool Seal	PTFE	PTFE
14	Piston Housing	316 St. St.	316 St. St.
15	Spring	Inconel X750	Inconel X750
16	Jam Nut	316 St. St.	316 St. St.
17	Inlet Plenum	316 St. St.	316 St. St.
18	Outlet Seat	316 St. St.	316 St. St.
19	Bug Vent	Aluminum Alloy	Aluminum Alloy
20	Plenum Seal	Viton	Viton
21	Vent Seal	Viton	Viton
22	Body Seal	Viton	Viton
23	Spool Seal	Viton	Viton
24	Piston Seal Retainer	316 St. St.	316 St. St.
25	Inlet Spool Assembly	See Below (Items 26 to 30)	
26	Inlet Seat Retainer	316 St. St.	316 St. St.
27	Seat Seal	Viton	Viton
28	Internal Spool Seal	Viton	Viton
29	Inlet Spool	316 St. St.	316 St. St.
30	Exhaust Seat Retainer	316 St. St.	316 St. St.

General Notes:
1. Graphite reinforced PTFE with Hastelloy C Spring



*Inlet Spool Sub Assembly

CURTISS-WRIGHT

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