



## FOR USE WITH SERFILCO PUMPS AND SER-DUCTOR® AGITATION SYSTEMS

- **Non-metallic solution contact**  
Diaphragm guard isolates gauge from pumped fluid
- **Material selection**  
CPVC, Polypropylene or PVDF with EPDM or Viton® elastomers  
(See a Chemical Resistant chart)
- **Sizes 1" to 4"**

The **In Line Gauge Guard Assembly** is designed for use with SERFILCO pumps and SER-DUCTOR agitation systems to provide performance feedback for optimization of the pump operating point. Pumps which have too little system backpressure operate far out on the pump curve where NPSH requirements

are highest. This can lead to pump cavitation with corresponding premature wear and seal failure.

Use of the In Line Gauge Guard Assembly along with a flow control valve allows the user to determine where on the curve the pump is operating and to control the pump output for best performance.

IN LINE GAUGE GUARD ASSEMBLY

SIZE	TYPE <sup>1</sup>	CPVC / EPDM	CPVC / VITON	POLYPRO / EPDM	PVDF / VITON
		PCN	PCN	PCN	PCN
1"	THD	99-1240	99-1240 V	99-1240 PP	99-1240 KV
1 1/4"	THD	99-1241	99-1241 V	99-1241 PP	—
1 1/2"	THD	99-1242	99-1242 V	99-1242 PP	99-1242 KV
2"	THD	99-1243	99-1243 V	99-1243 PP	99-1243 KV
3"	THD	99-1244	99-1244 V	99-1244 PP	—
3"	SOC	99-1244 1	99-1244 1V	—	—
4"	THD	99-1245	99-1245 V	—	—
4"	SOC	99-1245 1	99-1245 1V	—	—

FLOW CONTROL VALVE<sup>2</sup>

CPVC	PP	PVDF
PCN	PCN	PCN
33-0572	33-0572 PP	33-0572 K
33-0573	33-0573 PP	—
33-0574	33-0574 PP	33-0574 K
33-0575	33-0575 PP	33-0575 K
33-0576	33-0576 PP	33-0576 K
33-0584	33-0584 PP	33-0584 K
33-0577	—	—
33-0585	—	—

<sup>1</sup>. Threaded Gauge Guard is MNPT X MNPT

<sup>2</sup>. Double union ball valve with female threaded or socket connections