

TOV Batch Assessment Survey

HELP!



Please help us so we can address your process solution

The TOV System is a special customized instrument designed for your process specifications and your control needs. To provide the best solution possible, we need your help. Please answer the following questionnaire questions as completely as you can especially if it directly relates to the process viscosity and/or to the TOV itself. The more information you can give us means the better customized solution we can provide.

Let us start easy. Please take a few minutes and fill in your information below:

Name	_____	
Company	_____	
Address	_____	

City	_____	
State/Province	_____	Postal Code _____
Country	_____	
Telephone No.	_____	
Fax	_____	
E-Mail	_____	

Now, let's move onto your process...

When completed, send or fax to Mansco Products.

Address: Mansco Products, Inc.
34 Richard Road
Ivyland, PA 18974
USA

Phone: +215.674.4395

Fax: +215.674.4396

email: info@manscoproducts.com



“Based on DuPont’s multi-decade experience with Mansco’s TOV Viscometer Systems , . . . DuPont completely recommends (the TOV Viscometer system) to any interested party.”

DuPont Testimonial Letter 10/30/98

TOV Batch Assessment Survey

ABOUT YOUR PLANT AND PROCESS

1. Process Diagram:

The first step to understanding an application is to understand the process. A detailed sketch of the process will provide the information needed to analyze the process to determine how the TOV System can help you. (A sample sketch is provided with this survey.)

2. Vessel Sketch:

Since the location of the TOV Probe is important, determining where there is enough space as well as where the TOV would work best for an application is an important part of the design process. A sketch of the vessel and of the elevation of the vessel will provide the information needed to determine where to best use the TOV Probe based on physical installation. (A sample sketch is provided with this survey.)

3. What is the Product(s): _____

4. Number of Autoclaves: _____

5. Please list any additives or chemicals present that should be considered in the design of the TOV Probe?

6. Is there solid content? If so, please describe.

7. Does the material freeze to create a “heel” at the bottom of the vessel between batches?

8. How is viscosity measured currently?

9. Target Viscosity Range:(include units)

Minimum _____

Maximum _____

10. Operating Pressure Range: _____

Design Pressure Required: _____

11. Temperature Range: _____

(if known) Viscosity vs. Shear Rate
(Please state Temperature)

VESSEL AND PROCESS EQUIPMENT INFORMATION

12. Materials of construction vessel:

13. How is vessel heated?:

14. On the sketch of the vessel (#2), please indicate any special characteristics, flanges, agitators, or other special notes that must be known during the design of a TOV Probe.

If a recirculation line is present:

15. Recirculation Pipeline Material, Size, and schedule::

Core _____

Jacket (if present) _____

16. At present, are you using a viscometer or lab tests to determine viscosity?

at-line viscometer

in-line viscometer

eter

lab tests

not measuring

17. Output device(s):

Chart recorder

Control System/Center

Both

Other _____

A FEW PLANT PERFORMANCE QUESTIONS . . .

18. Is your current viscosity control method reliable?

Yes

No

19. Accurate?

Yes

No

19. Repeatable?

Yes

No

20. How long is your lag time before test results verification and corresponding adjustments, etc.?

0-10min

10-20 min

20-30 min

more _____

Not Applicable